

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:05:49

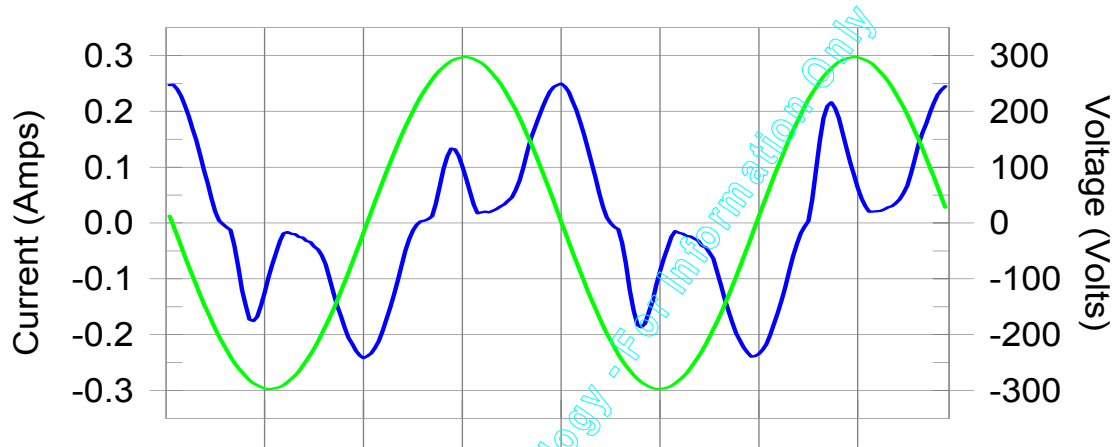
Start time: 09:03:27

Data file name: H-000342.cts\_data

Test Result: Pass

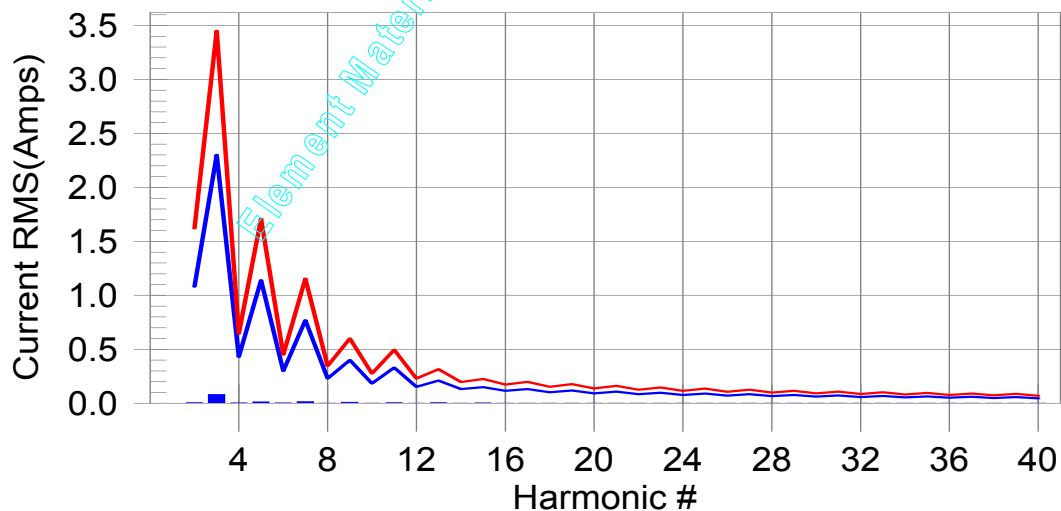
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.48% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:03:27  
End time: 09:05:49  
Data file name: H-000342.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.08 I-THD(%): 79.28 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 210.17  
I\_Peak (Amps): 0.252  
I\_Fund (Amps): 0.107  
Power (Watts): 11.4

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.139  
Crest Factor: 1.912  
Power Factor: 0.418

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.25	Pass
3	0.080	2.300	3.5	0.082	3.450	2.39	Pass
4	0.003	0.430	0.6	0.003	0.645	0.48	Pass
5	0.012	1.140	1.1	0.013	1.710	0.76	Pass
6	0.002	0.300	0.7	0.003	0.450	0.57	Pass
7	0.015	0.770	1.9	0.015	1.155	1.32	Pass
8	0.002	0.230	0.7	0.002	0.345	0.58	Pass
9	0.010	0.400	2.5	0.010	0.600	1.70	Pass
10	0.001	0.184	0.7	0.002	0.276	0.54	Pass
11	0.004	0.330	1.2	0.004	0.495	0.84	Pass
12	0.001	0.153	0.6	0.001	0.230	0.46	Pass
13	0.004	0.210	1.8	0.004	0.315	1.27	Pass
14	0.001	0.131	0.5	0.001	0.197	0.39	Pass
15	0.002	0.150	1.4	0.002	0.225	1.03	Pass
16	0.001	0.115	0.4	0.001	0.173	0.38	Pass
17	0.002	0.132	1.2	0.002	0.199	0.80	Pass
18	0.000	0.102	0.4	0.001	0.153	0.34	Pass
19	0.001	0.118	0.6	0.001	0.178	0.49	Pass
20	0.000	0.092	0.4	0.000	0.138	0.32	Pass
21	0.001	0.107	0.8	0.001	0.161	0.60	Pass
22	0.000	0.084	0.3	0.000	0.125	0.32	Pass
23	0.000	0.098	0.5	0.001	0.147	0.38	Pass
24	0.000	0.077	0.3	0.000	0.115	0.31	Pass
25	0.000	0.090	0.4	0.000	0.135	0.32	Pass
26	0.000	0.071	0.3	0.000	0.106	0.28	Pass
27	0.000	0.083	0.4	0.000	0.125	0.33	Pass
28	0.000	0.066	0.4	0.000	0.099	0.31	Pass
29	0.000	0.078	0.5	0.000	0.116	0.36	Pass
30	0.000	0.061	0.3	0.000	0.092	0.28	Pass
31	0.000	0.073	0.4	0.000	0.109	0.29	Pass
32	0.000	0.058	0.4	0.000	0.086	0.32	Pass
33	0.000	0.068	0.3	0.000	0.102	0.27	Pass
34	0.000	0.054	0.3	0.000	0.081	0.25	Pass
35	0.000	0.064	0.3	0.000	0.096	0.27	Pass
36	0.000	0.051	0.3	0.000	0.077	0.26	Pass
37	0.000	0.061	0.4	0.000	0.091	0.28	Pass
38	0.000	0.048	0.3	0.000	0.073	0.25	Pass
39	0.000	0.058	0.3	0.000	0.087	0.26	Pass
40	0.000	0.046	0.2	0.000	0.069	0.23	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:03:27  
End time: 09:05:49  
Data file name: H-000342.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	210.17	Frequency(Hz):	50.00
I_Peak (Amps):	0.252	I_RMS (Amps):	0.139
I_Fund (Amps):	0.107	Crest Factor:	1.912
Power (Watts):	11.4	Power Factor:	0.418

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.150	0.420	35.76	OK
3		0.402	1.890	21.29	OK
4		0.054	0.420	12.82	OK
5		0.056	0.840	6.70	OK
6		0.028	0.420	6.74	OK
7		0.039	0.630	6.18	OK
8		0.019	0.420	4.57	OK
9		0.015	0.420	3.66	OK
10		0.020	0.420	4.73	OK
11		0.026	0.210	12.23	OK
12		0.016	0.210	7.55	OK
13		0.018	0.210	8.57	OK
14		0.013	0.210	5.98	OK
15		0.008	0.210	3.76	OK
16		0.015	0.210	7.24	OK
17		0.008	0.210	3.99	OK
18		0.010	0.210	4.95	OK
19		0.007	0.210	3.28	OK
20		0.010	0.210	4.58	OK
21		0.007	0.210	3.56	OK
22		0.007	0.210	3.12	OK
23		0.005	0.210	2.26	OK
24		0.006	0.210	2.92	OK
25		0.007	0.210	3.26	OK
26		0.008	0.210	3.78	OK
27		0.005	0.210	2.48	OK
28		0.005	0.210	2.59	OK
29		0.006	0.210	2.69	OK
30		0.005	0.210	2.35	OK
31		0.004	0.210	1.85	OK
32		0.004	0.210	2.11	OK
33		0.005	0.210	2.30	OK
34		0.002	0.210	0.98	OK
35		0.004	0.210	1.68	OK
36		0.002	0.210	1.10	OK
37		0.003	0.210	1.58	OK
38		0.002	0.210	1.13	OK
39		0.003	0.210	1.32	OK
40		0.009	0.210	4.09	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 14:51:21

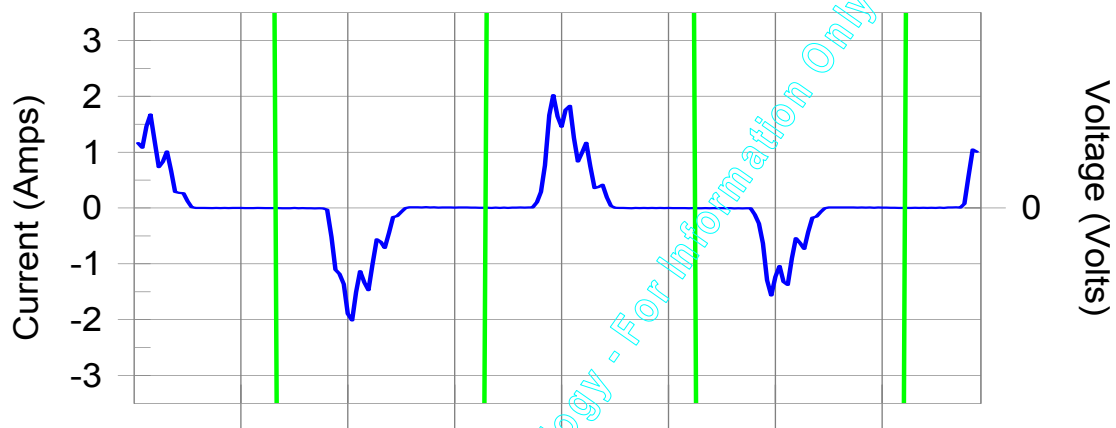
Start time: 14:48:59

Data file name: H-000402.cts\_data

Test Result: Pass

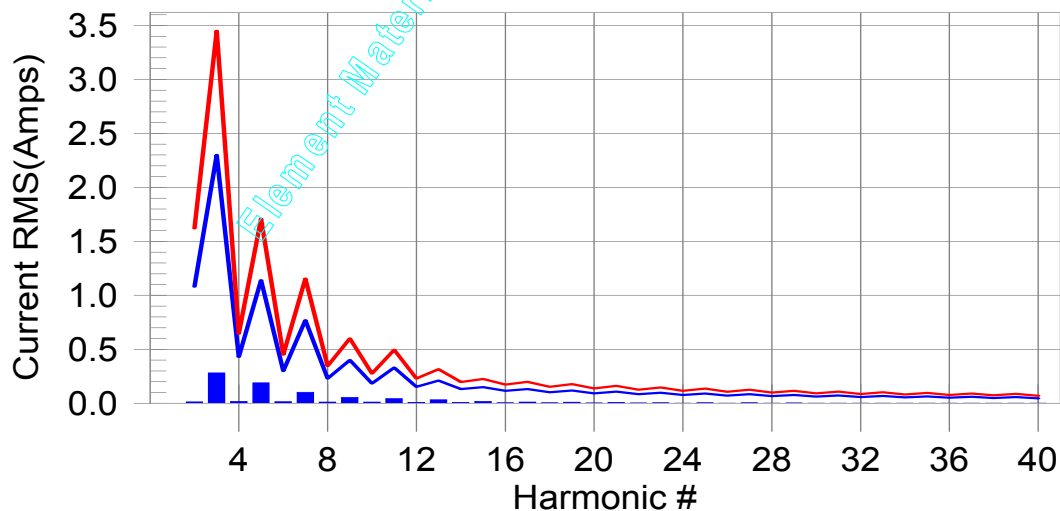
Source qualification: Distorted

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #5 with 16.09% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 14:48:59 End time: 14:51:21  
Test duration (min): 2 Data file name: H-000402.cts\_data  
Comment: Sample 5  
Customer: AGD

Test Result: Pass Source qualification: Distorted  
THC(A): 0.35 I-THD(%): 109.89 POHC(A): 0.006 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 24.11 Frequency(Hz): 50.00  
I\_Peak (Amps): 2.136 I\_RMS (Amps): 0.550  
I\_Fund (Amps): 0.340 Crest Factor: 4.888  
Power (Watts): 7.9 Power Factor: 0.651

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.011	1.080	1.0	0.013	1.620	0.83	Pass
3	0.268	2.300	11.7	0.282	3.450	8.17	Pass
4	0.015	0.430	3.4	0.018	0.645	2.74	Pass
5	0.183	1.140	16.1	0.190	1.710	11.09	Pass
6	0.012	0.300	4.2	0.015	0.450	3.31	Pass
7	0.101	0.770	13.1	0.103	1.155	8.90	Pass
8	0.010	0.230	4.5	0.012	0.345	3.60	Pass
9	0.053	0.400	13.1	0.054	0.600	9.02	Pass
10	0.009	0.184	4.7	0.011	0.276	3.81	Pass
11	0.040	0.330	12.1	0.043	0.495	8.59	Pass
12	0.007	0.153	4.6	0.009	0.230	3.71	Pass
13	0.030	0.210	14.5	0.032	0.315	10.07	Pass
14	0.005	0.131	4.1	0.006	0.197	3.22	Pass
15	0.018	0.150	11.9	0.018	0.225	8.09	Pass
16	0.004	0.115	3.5	0.005	0.173	2.68	Pass
17	0.011	0.132	8.6	0.012	0.199	6.05	Pass
18	0.003	0.102	3.1	0.004	0.153	2.39	Pass
19	0.009	0.118	7.8	0.010	0.178	5.47	Pass
20	0.002	0.092	2.7	0.003	0.138	2.10	Pass
21	0.006	0.107	5.6	0.006	0.161	3.95	Pass
22	0.002	0.084	2.3	0.002	0.125	1.82	Pass
23	0.004	0.098	4.3	0.005	0.147	3.08	Pass
24	0.002	0.077	2.1	0.002	0.115	1.56	Pass
25	0.004	0.090	4.6	0.004	0.135	3.30	Pass
26	0.001	0.071	1.9	0.001	0.106	1.41	Pass
27	0.003	0.083	4.1	0.004	0.125	2.86	Pass
28	0.001	0.066	1.8	0.001	0.099	1.37	Pass
29	0.002	0.078	3.0	0.003	0.116	2.17	Pass
30	0.001	0.061	1.9	0.001	0.092	1.48	Pass
31	0.002	0.073	2.6	0.002	0.109	1.86	Pass
32	0.001	0.058	1.8	0.001	0.086	1.39	Pass
33	0.002	0.068	2.3	0.002	0.102	1.70	Pass
34	0.001	0.054	1.8	0.001	0.081	1.43	Pass
35	0.001	0.064	2.0	0.001	0.096	1.47	Pass
36	0.001	0.051	2.0	0.001	0.077	1.52	Pass
37	0.001	0.061	2.4	0.002	0.091	1.77	Pass
38	0.001	0.048	2.2	0.001	0.073	1.75	Pass
39	0.002	0.058	3.2	0.002	0.087	2.31	Pass
40	0.001	0.046	2.1	0.001	0.069	1.67	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 14:48:59  
End time: 14:51:21  
Data file name: H-000402.cts\_data

Test Result: Pass Source qualification: Distorted

Highest parameter values during test:

Voltage (Vrms):	24.11	Frequency(Hz):	50.00
I_Peak (Amps):	2.136	I_RMS (Amps):	0.550
I_Fund (Amps):	0.340	Crest Factor:	4.888
Power (Watts):	7.9	Power Factor:	0.651

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.075	0.048	155.67	Dist.
3		0.176	0.216	81.66	OK
4		0.048	0.048	99.58	OK
5		0.081	0.096	83.93	OK
6		0.020	0.048	40.67	OK
7		0.052	0.072	72.10	OK
8		0.008	0.048	17.56	OK
9		0.022	0.048	46.20	OK
10		0.015	0.048	30.47	OK
11		0.024	0.024	98.25	OK
12		0.009	0.024	37.54	OK
13		0.020	0.024	82.45	OK
14		0.003	0.024	11.38	OK
15		0.014	0.024	57.51	OK
16		0.005	0.024	22.22	OK
17		0.010	0.024	43.41	OK
18		0.008	0.024	31.81	OK
19		0.012	0.024	50.48	OK
20		0.007	0.024	29.56	OK
21		0.007	0.024	30.62	OK
22		0.003	0.024	10.63	OK
23		0.006	0.024	23.62	OK
24		0.004	0.024	16.94	OK
25		0.006	0.024	23.74	OK
26		0.003	0.024	12.64	OK
27		0.006	0.024	23.12	OK
28		0.003	0.024	10.71	OK
29		0.005	0.024	22.38	OK
30		0.002	0.024	9.88	OK
31		0.004	0.024	15.97	OK
32		0.002	0.024	10.23	OK
33		0.005	0.024	19.45	OK
34		0.002	0.024	9.16	OK
35		0.003	0.024	12.43	OK
36		0.003	0.024	13.01	OK
37		0.004	0.024	14.97	OK
38		0.002	0.024	8.84	OK
39		0.003	0.024	13.71	OK
40		0.006	0.024	26.02	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 14:46:06

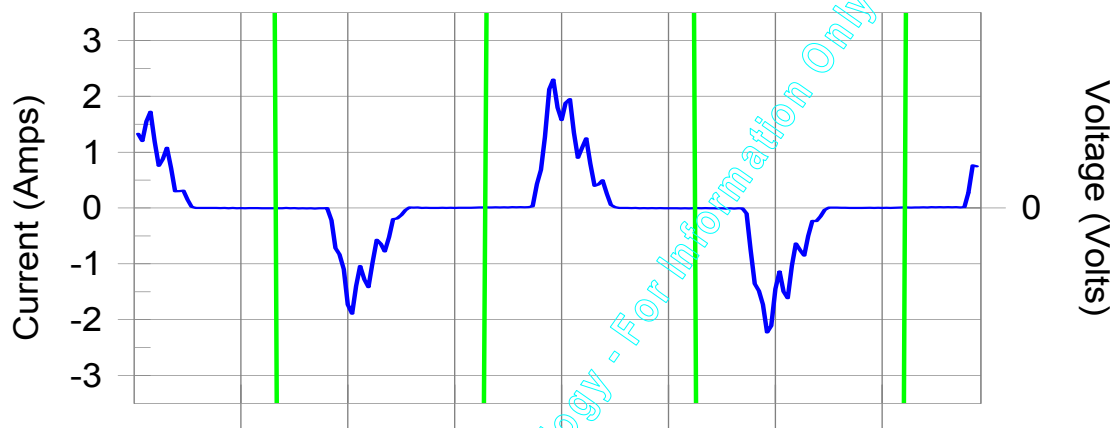
Start time: 14:43:44

Data file name: H-000401.cts\_data

Test Result: Pass

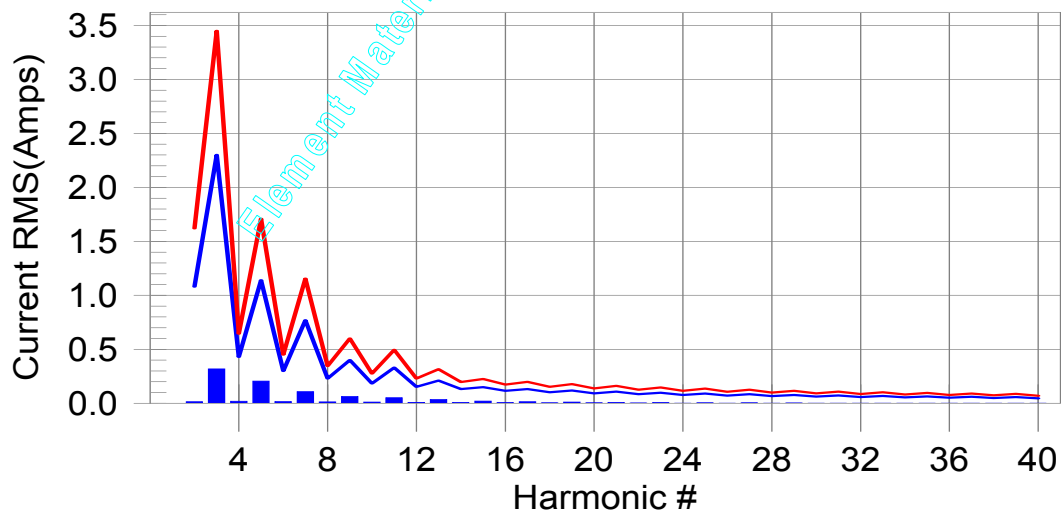
Source qualification: Distorted

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #5 with 17.28% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 14:46:06  
Data file name: H-000401.cts\_data

Test Result: Pass Source qualification: Distorted  
THC(A): 0.38 I-THD(%): 107.08 POHC(A): 0.006 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 24.11  
I\_Peak (Amps): 2.382  
I\_Fund (Amps): 0.388  
Power (Watts): 8.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.605  
Crest Factor: 4.469  
Power Factor: 0.656

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.012	1.080	1.1	0.014	1.620	0.88	Pass
3	0.297	2.300	12.9	0.318	3.450	9.23	Pass
4	0.017	0.430	3.9	0.019	0.645	2.97	Pass
5	0.197	1.140	17.3	0.206	1.710	12.05	Pass
6	0.014	0.300	4.8	0.016	0.450	3.61	Pass
7	0.105	0.770	13.6	0.108	1.155	9.33	Pass
8	0.012	0.230	5.1	0.013	0.345	3.84	Pass
9	0.058	0.400	14.6	0.062	0.600	10.38	Pass
10	0.010	0.184	5.4	0.011	0.276	3.99	Pass
11	0.047	0.330	14.2	0.051	0.495	10.35	Pass
12	0.008	0.153	5.3	0.009	0.230	3.91	Pass
13	0.034	0.210	16.0	0.035	0.315	11.19	Pass
14	0.006	0.131	4.8	0.007	0.197	3.57	Pass
15	0.019	0.150	12.9	0.020	0.225	9.05	Pass
16	0.005	0.115	4.1	0.005	0.173	3.06	Pass
17	0.014	0.132	10.4	0.015	0.199	7.59	Pass
18	0.004	0.102	3.6	0.004	0.153	2.78	Pass
19	0.010	0.118	8.8	0.011	0.178	6.21	Pass
20	0.003	0.092	3.1	0.003	0.138	2.34	Pass
21	0.006	0.107	5.8	0.007	0.161	4.06	Pass
22	0.002	0.084	2.7	0.002	0.125	1.97	Pass
23	0.005	0.098	4.9	0.005	0.147	3.68	Pass
24	0.002	0.077	2.3	0.002	0.115	1.71	Pass
25	0.004	0.090	4.8	0.005	0.135	3.42	Pass
26	0.001	0.071	2.0	0.002	0.106	1.56	Pass
27	0.003	0.083	3.8	0.003	0.125	2.73	Pass
28	0.001	0.066	1.9	0.002	0.099	1.54	Pass
29	0.002	0.078	3.0	0.003	0.116	2.18	Pass
30	0.001	0.061	2.0	0.001	0.092	1.59	Pass
31	0.002	0.073	2.6	0.002	0.109	1.81	Pass
32	0.001	0.058	2.0	0.001	0.086	1.54	Pass
33	0.002	0.068	2.4	0.002	0.102	1.75	Pass
34	0.001	0.054	2.0	0.001	0.081	1.50	Pass
35	0.002	0.064	2.3	0.002	0.096	1.81	Pass
36	0.001	0.051	2.2	0.001	0.077	1.63	Pass
37	0.001	0.061	2.5	0.002	0.091	1.80	Pass
38	0.001	0.048	2.4	0.001	0.073	1.84	Pass
39	0.002	0.058	3.3	0.002	0.087	2.30	Pass
40	0.001	0.046	2.3	0.001	0.069	1.76	Pass



### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 14:43:44  
End time: 14:46:06  
Data file name: H-000401.cts\_data

Test Result: Pass Source qualification: Distorted

Highest parameter values during test:

Voltage (Vrms):	24.11	Frequency(Hz):	50.00
I_Peak (Amps):	2.382	I_RMS (Amps):	0.605
I_Fund (Amps):	0.388	Crest Factor:	4.469
Power (Watts):	8.9	Power Factor:	0.656

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.075	0.048	155.97	Dist.
3		0.173	0.216	80.17	OK
4		0.047	0.048	98.74	OK
5		0.074	0.096	76.65	OK
6		0.019	0.048	39.74	OK
7		0.047	0.072	64.70	OK
8		0.008	0.048	17.22	OK
9		0.021	0.048	44.36	OK
10		0.014	0.048	29.53	OK
11		0.022	0.024	91.85	OK
12		0.009	0.024	36.54	OK
13		0.018	0.024	73.80	OK
14		0.003	0.024	12.83	OK
15		0.012	0.024	48.24	OK
16		0.005	0.024	21.40	OK
17		0.010	0.024	39.56	OK
18		0.007	0.024	31.06	OK
19		0.009	0.024	38.92	OK
20		0.007	0.024	27.26	OK
21		0.006	0.024	26.07	OK
22		0.003	0.024	11.26	OK
23		0.005	0.024	22.50	OK
24		0.004	0.024	16.32	OK
25		0.005	0.024	21.54	OK
26		0.003	0.024	10.44	OK
27		0.005	0.024	19.43	OK
28		0.002	0.024	8.78	OK
29		0.004	0.024	17.34	OK
30		0.002	0.024	9.75	OK
31		0.004	0.024	17.14	OK
32		0.002	0.024	9.78	OK
33		0.004	0.024	15.01	OK
34		0.003	0.024	10.50	OK
35		0.003	0.024	11.55	OK
36		0.003	0.024	13.22	OK
37		0.003	0.024	13.31	OK
38		0.002	0.024	9.52	OK
39		0.003	0.024	11.20	OK
40		0.006	0.024	24.31	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 14:41:56

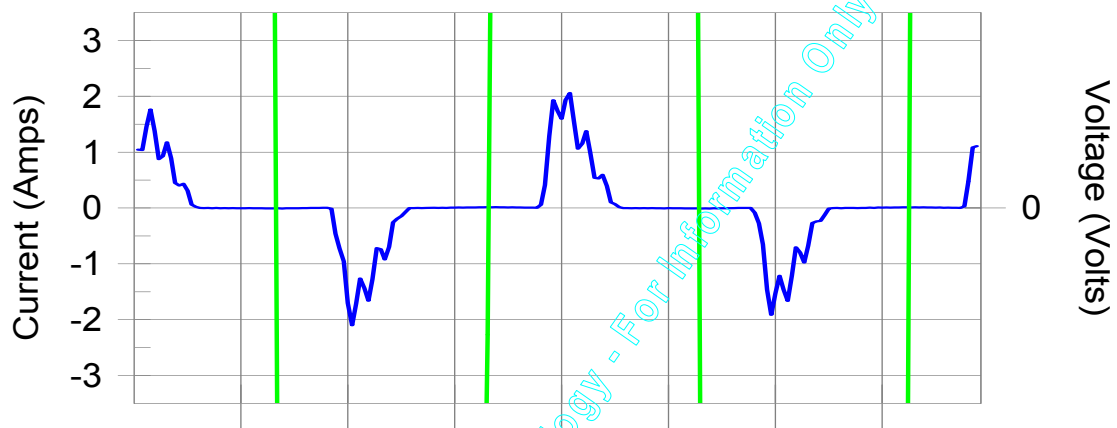
Start time: 14:39:35

Data file name: H-000400.cts\_data

Test Result: Pass

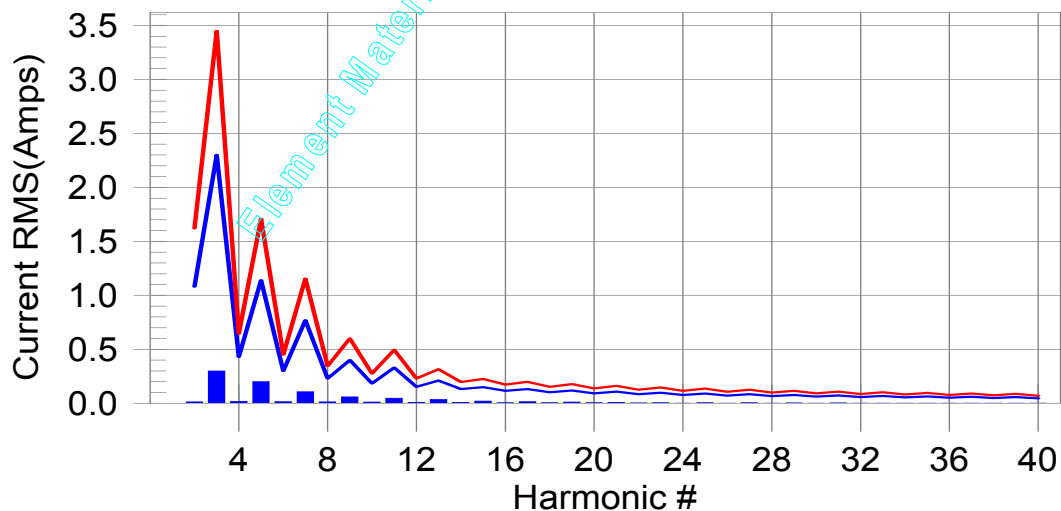
Source qualification: Distorted

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #5 with 16.88% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 14:39:35 End time: 14:41:56  
Test duration (min): 2 Data file name: H-000400.cts\_data  
Comment: Sample 6  
Customer: AGD

Test Result: Pass Source qualification: Distorted  
THC(A): 0.37 I-THD(%): 109.00 POHC(A): 0.006 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 24.13 Frequency(Hz): 50.01  
I\_Peak (Amps): 2.252 I\_RMS (Amps): 0.578  
I\_Fund (Amps): 0.362 Crest Factor: 4.879  
Power (Watts): 8.4 Power Factor: 0.652

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.011	1.080	1.1	0.013	1.620	0.83	Pass
3	0.285	2.300	12.4	0.299	3.450	8.68	Pass
4	0.016	0.430	3.6	0.018	0.645	2.76	Pass
5	0.192	1.140	16.9	0.200	1.710	11.67	Pass
6	0.013	0.300	4.5	0.015	0.450	3.37	Pass
7	0.105	0.770	13.6	0.107	1.155	9.24	Pass
8	0.011	0.230	4.9	0.013	0.345	3.66	Pass
9	0.056	0.400	14.1	0.059	0.600	9.81	Pass
10	0.009	0.184	5.1	0.011	0.276	3.83	Pass
11	0.044	0.330	13.4	0.048	0.495	9.60	Pass
12	0.008	0.153	5.0	0.009	0.230	3.74	Pass
13	0.033	0.210	15.6	0.034	0.315	10.94	Pass
14	0.006	0.131	4.5	0.007	0.197	3.32	Pass
15	0.019	0.150	12.8	0.020	0.225	8.83	Pass
16	0.004	0.115	3.9	0.005	0.173	2.97	Pass
17	0.013	0.132	9.7	0.014	0.199	6.95	Pass
18	0.004	0.102	3.5	0.004	0.153	2.66	Pass
19	0.010	0.118	8.6	0.011	0.178	5.93	Pass
20	0.003	0.092	3.0	0.003	0.138	2.27	Pass
21	0.006	0.107	5.9	0.007	0.161	4.08	Pass
22	0.002	0.084	2.5	0.002	0.125	1.93	Pass
23	0.005	0.098	4.6	0.005	0.147	3.39	Pass
24	0.002	0.077	2.2	0.002	0.115	1.65	Pass
25	0.004	0.090	4.8	0.005	0.135	3.48	Pass
26	0.001	0.071	2.0	0.002	0.106	1.53	Pass
27	0.003	0.083	4.0	0.004	0.125	2.93	Pass
28	0.001	0.066	1.9	0.002	0.099	1.52	Pass
29	0.002	0.078	3.1	0.003	0.116	2.30	Pass
30	0.001	0.061	2.0	0.001	0.092	1.59	Pass
31	0.002	0.073	2.7	0.002	0.109	1.97	Pass
32	0.001	0.058	2.0	0.001	0.086	1.57	Pass
33	0.002	0.068	2.5	0.002	0.102	1.86	Pass
34	0.001	0.054	2.0	0.001	0.081	1.59	Pass
35	0.001	0.064	2.2	0.002	0.096	1.75	Pass
36	0.001	0.051	2.2	0.001	0.077	1.66	Pass
37	0.002	0.061	2.5	0.002	0.091	1.82	Pass
38	0.001	0.048	2.4	0.001	0.073	1.82	Pass
39	0.002	0.058	3.3	0.002	0.087	2.38	Pass
40	0.001	0.046	2.3	0.001	0.069	1.82	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 14:39:35  
End time: 14:41:56  
Data file name: H-000400.cts\_data

Test Result: Pass Source qualification: Distorted

Highest parameter values during test:

Voltage (Vrms):	24.13	Frequency(Hz):	50.01
I_Peak (Amps):	2.252	I_RMS (Amps):	0.578
I_Fund (Amps):	0.362	Crest Factor:	4.879
Power (Watts):	8.4	Power Factor:	0.652

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.075	0.048	156.20	Dist.
3		0.191	0.215	88.50	OK
4		0.048	0.048	100.77	Marg.
5		0.082	0.096	85.16	OK
6		0.020	0.048	42.28	OK
7		0.049	0.072	67.90	OK
8		0.008	0.048	16.86	OK
9		0.021	0.048	44.39	OK
10		0.014	0.048	29.69	OK
11		0.022	0.024	91.22	OK
12		0.009	0.024	38.94	OK
13		0.018	0.024	74.04	OK
14		0.004	0.024	15.76	OK
15		0.011	0.024	47.33	OK
16		0.005	0.024	20.35	OK
17		0.009	0.024	38.00	OK
18		0.007	0.024	31.18	OK
19		0.009	0.024	35.70	OK
20		0.007	0.024	27.87	OK
21		0.006	0.024	23.81	OK
22		0.002	0.024	9.43	OK
23		0.005	0.024	19.39	OK
24		0.003	0.024	14.32	OK
25		0.005	0.024	21.87	OK
26		0.003	0.024	13.51	OK
27		0.005	0.024	19.35	OK
28		0.002	0.024	9.39	OK
29		0.004	0.024	17.24	OK
30		0.003	0.024	10.69	OK
31		0.004	0.024	15.36	OK
32		0.003	0.024	10.98	OK
33		0.004	0.024	15.25	OK
34		0.002	0.024	9.79	OK
35		0.003	0.024	11.40	OK
36		0.003	0.024	12.31	OK
37		0.003	0.024	12.07	OK
38		0.002	0.024	8.95	OK
39		0.003	0.024	10.75	OK
40		0.006	0.024	24.97	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 14:37:33

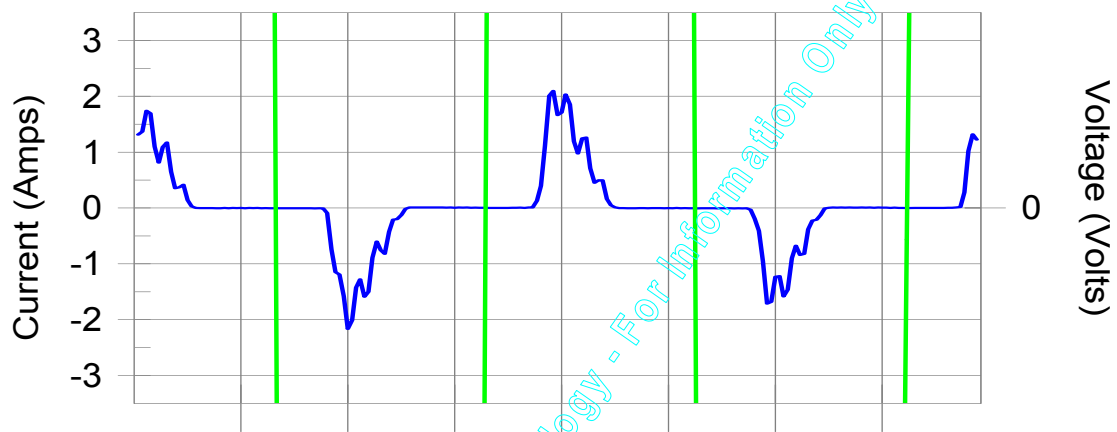
Start time: 14:35:12

Data file name: H-000399.cts\_data

Test Result: Pass

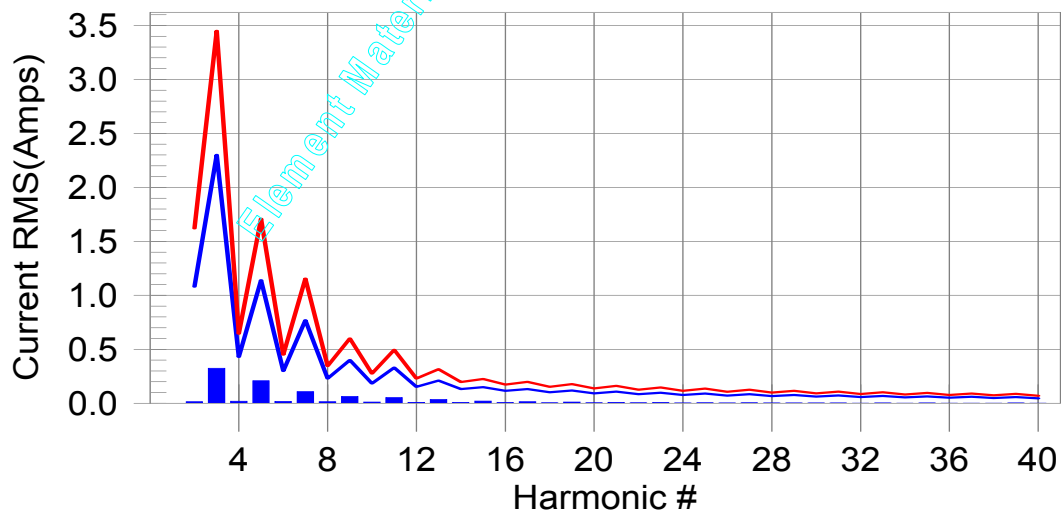
Source qualification: Distorted

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #5 with 17.71% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 14:35:12 End time: 14:37:33  
Test duration (min): 2 Data file name: H-000399.cts\_data  
Comment: Sample 8  
Customer: AGD

Test Result: Pass Source qualification: Distorted  
THC(A): 0.39 I-THD(%): 106.04 POHC(A): 0.008 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 24.11 Frequency(Hz): 50.00  
I\_Peak (Amps): 2.299 I\_RMS (Amps): 0.625  
I\_Fund (Amps): 0.402 Crest Factor: 4.625  
Power (Watts): 9.3 Power Factor: 0.661

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.012	1.080	1.1	0.014	1.620	0.88	Pass
3	0.307	2.300	13.4	0.324	3.450	9.40	Pass
4	0.016	0.430	3.7	0.020	0.645	3.06	Pass
5	0.202	1.140	17.7	0.209	1.710	12.25	Pass
6	0.014	0.300	4.6	0.017	0.450	3.70	Pass
7	0.107	0.770	13.8	0.109	1.155	9.40	Pass
8	0.012	0.230	5.0	0.014	0.345	3.93	Pass
9	0.060	0.400	15.0	0.063	0.600	10.56	Pass
10	0.010	0.184	5.3	0.011	0.276	4.13	Pass
11	0.049	0.330	14.7	0.052	0.495	10.53	Pass
12	0.008	0.153	5.3	0.009	0.230	4.00	Pass
13	0.034	0.210	16.2	0.035	0.315	11.25	Pass
14	0.006	0.131	4.8	0.007	0.197	3.68	Pass
15	0.020	0.150	13.1	0.020	0.225	9.05	Pass
16	0.005	0.115	4.3	0.006	0.173	3.46	Pass
17	0.014	0.132	10.8	0.016	0.199	7.81	Pass
18	0.004	0.102	3.8	0.005	0.153	3.26	Pass
19	0.011	0.118	8.9	0.011	0.178	6.26	Pass
20	0.003	0.092	3.3	0.004	0.138	2.92	Pass
21	0.006	0.107	5.9	0.007	0.161	4.23	Pass
22	0.002	0.084	2.9	0.003	0.125	2.72	Pass
23	0.005	0.098	5.2	0.006	0.147	3.81	Pass
24	0.002	0.077	2.5	0.003	0.115	2.53	Pass
25	0.004	0.090	4.9	0.005	0.135	3.64	Pass
26	0.002	0.071	2.2	0.002	0.106	2.30	Pass
27	0.003	0.083	3.9	0.004	0.125	3.00	Pass
28	0.001	0.066	2.2	0.002	0.099	2.25	Pass
29	0.002	0.078	3.2	0.003	0.116	2.58	Pass
30	0.001	0.061	2.3	0.002	0.092	2.32	Pass
31	0.002	0.073	2.7	0.002	0.109	2.28	Pass
32	0.001	0.058	2.2	0.002	0.086	2.24	Pass
33	0.002	0.068	2.7	0.002	0.102	2.25	Pass
34	0.001	0.054	2.3	0.002	0.081	2.17	Pass
35	0.002	0.064	2.7	0.002	0.096	2.26	Pass
36	0.001	0.051	2.5	0.002	0.077	2.24	Pass
37	0.002	0.061	2.6	0.002	0.091	2.19	Pass
38	0.001	0.048	2.8	0.002	0.073	2.36	Pass
39	0.002	0.058	3.4	0.002	0.087	2.70	Pass
40	0.001	0.046	2.6	0.001	0.069	2.05	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 14:35:12  
End time: 14:37:33  
Data file name: H-000399.cts\_data

Test Result: Pass Source qualification: Distorted

Highest parameter values during test:

Voltage (Vrms): 24.11	Frequency(Hz): 50.00
I_Peak (Amps): 2.299	I_RMS (Amps): 0.625
I_Fund (Amps): 0.402	Crest Factor: 4.625
Power (Watts): 9.3	Power Factor: 0.661

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.074	0.048	154.89	Dist.
3		0.176	0.216	81.41	OK
4		0.048	0.048	100.12	Marg.
5		0.075	0.096	78.01	OK
6		0.019	0.048	39.90	OK
7		0.047	0.072	65.09	OK
8		0.008	0.048	17.21	OK
9		0.022	0.048	45.85	OK
10		0.014	0.048	29.34	OK
11		0.023	0.024	94.80	OK
12		0.009	0.024	36.29	OK
13		0.018	0.024	74.92	OK
14		0.003	0.024	12.36	OK
15		0.012	0.024	49.30	OK
16		0.005	0.024	21.54	OK
17		0.010	0.024	41.77	OK
18		0.007	0.024	29.46	OK
19		0.008	0.024	34.25	OK
20		0.006	0.024	26.49	OK
21		0.006	0.024	25.89	OK
22		0.002	0.024	9.81	OK
23		0.005	0.024	21.94	OK
24		0.004	0.024	14.77	OK
25		0.005	0.024	20.66	OK
26		0.003	0.024	11.35	OK
27		0.004	0.024	18.65	OK
28		0.002	0.024	9.08	OK
29		0.004	0.024	16.66	OK
30		0.002	0.024	10.10	OK
31		0.004	0.024	14.53	OK
32		0.003	0.024	11.21	OK
33		0.003	0.024	13.37	OK
34		0.002	0.024	8.58	OK
35		0.003	0.024	12.27	OK
36		0.003	0.024	11.97	OK
37		0.003	0.024	13.39	OK
38		0.002	0.024	8.56	OK
39		0.002	0.024	9.96	OK
40		0.006	0.024	25.07	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 14:33:24

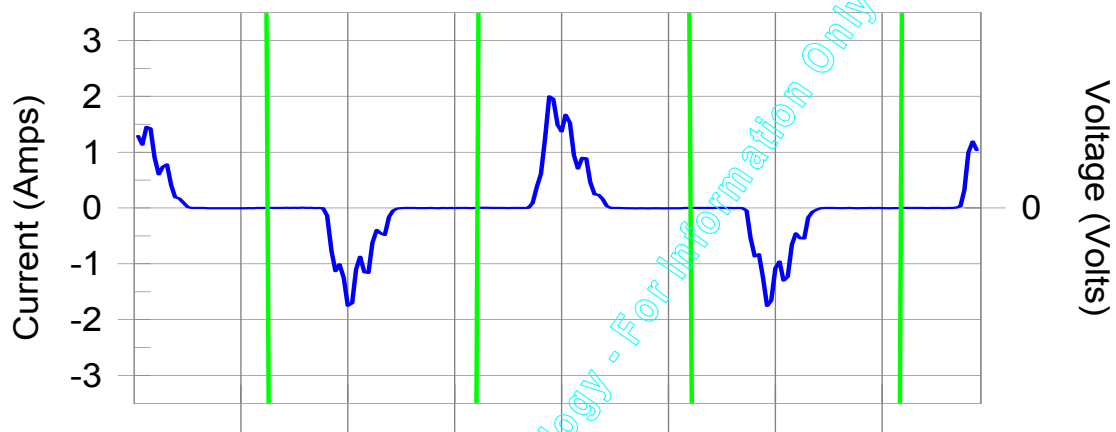
Start time: 14:31:03

Data file name: H-000398.cts\_data

Test Result: Pass

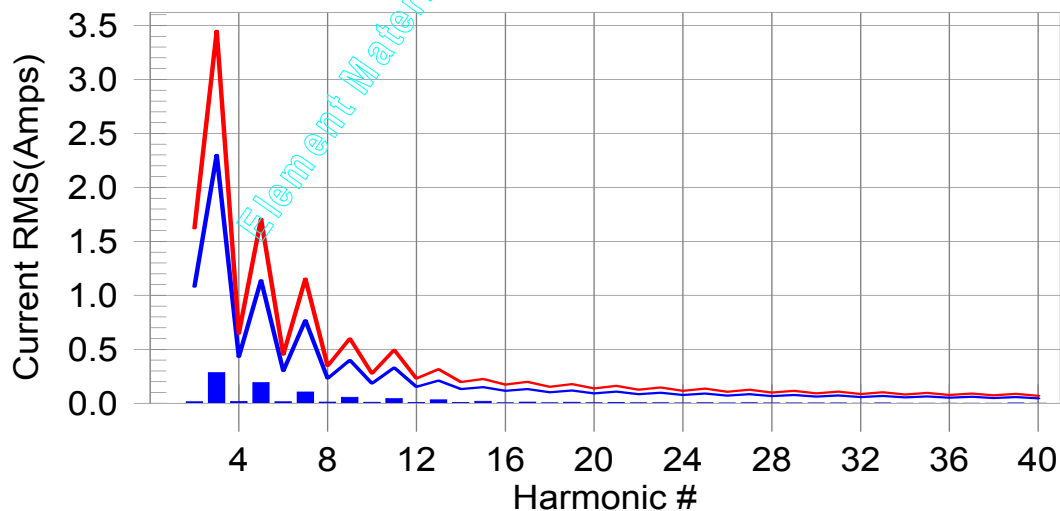
Source qualification: Distorted

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #5 with 16.20% of the limit.



### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 14:31:03  
End time: 14:33:24  
Data file name: H-000398.cts\_data

Test Result: Pass Source qualification: Distorted  
THC(A): 0.35 I-THD(%): 110.54 POHC(A): 0.006 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 24.11  
I\_Peak (Amps): 2.142  
I\_Fund (Amps): 0.346  
Power (Watts): 8.0

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.549  
Crest Factor: 4.689  
Power Factor: 0.649

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.011	1.080	1.0	0.014	1.620	0.85	Pass
3	0.270	2.300	11.7	0.285	3.450	8.27	Pass
4	0.014	0.430	3.3	0.017	0.645	2.63	Pass
5	0.185	1.140	16.2	0.193	1.710	11.28	Pass
6	0.012	0.300	4.1	0.014	0.450	3.22	Pass
7	0.102	0.770	13.3	0.104	1.155	9.05	Pass
8	0.010	0.230	4.5	0.012	0.345	3.49	Pass
9	0.053	0.400	13.3	0.056	0.600	9.28	Pass
10	0.009	0.184	4.8	0.010	0.276	3.61	Pass
11	0.040	0.330	12.2	0.044	0.495	8.94	Pass
12	0.007	0.153	4.6	0.008	0.230	3.57	Pass
13	0.031	0.210	14.8	0.033	0.315	10.44	Pass
14	0.006	0.131	4.2	0.006	0.197	3.27	Pass
15	0.018	0.150	12.3	0.019	0.225	8.35	Pass
16	0.004	0.115	3.7	0.005	0.173	2.99	Pass
17	0.012	0.132	8.8	0.012	0.199	6.24	Pass
18	0.003	0.102	3.3	0.004	0.153	2.87	Pass
19	0.010	0.118	8.0	0.010	0.178	5.78	Pass
20	0.003	0.092	2.9	0.004	0.138	2.66	Pass
21	0.006	0.107	5.9	0.007	0.161	4.44	Pass
22	0.002	0.084	2.6	0.003	0.125	2.56	Pass
23	0.004	0.098	4.4	0.005	0.147	3.47	Pass
24	0.002	0.077	2.4	0.003	0.115	2.47	Pass
25	0.004	0.090	4.7	0.005	0.135	3.60	Pass
26	0.002	0.071	2.2	0.002	0.106	2.33	Pass
27	0.003	0.083	4.1	0.004	0.125	3.26	Pass
28	0.001	0.066	2.1	0.002	0.099	2.28	Pass
29	0.002	0.078	3.1	0.003	0.116	2.66	Pass
30	0.001	0.061	2.1	0.002	0.092	2.35	Pass
31	0.002	0.073	2.7	0.003	0.109	2.43	Pass
32	0.001	0.058	2.1	0.002	0.086	2.22	Pass
33	0.002	0.068	2.5	0.002	0.102	2.32	Pass
34	0.001	0.054	2.1	0.002	0.081	2.18	Pass
35	0.001	0.064	2.2	0.002	0.096	2.09	Pass
36	0.001	0.051	2.2	0.002	0.077	2.25	Pass
37	0.002	0.061	2.6	0.002	0.091	2.27	Pass
38	0.001	0.048	2.5	0.002	0.073	2.35	Pass
39	0.002	0.058	3.4	0.002	0.087	2.72	Pass
40	0.001	0.046	2.4	0.001	0.069	2.16	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 14:31:03 End time: 14:33:24  
Test duration (min): 2 Data file name: H-000398.cts\_data  
Comment: Sample 7  
Customer: AGD

Test Result: Pass Source qualification: Distorted

Highest parameter values during test:

Voltage (Vrms):	24.11	Frequency(Hz):	50.00
I_Peak (Amps):	2.142	I_RMS (Amps):	0.549
I_Fund (Amps):	0.346	Crest Factor:	4.689
Power (Watts):	8.0	Power Factor:	0.649

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.074	0.048	154.75	Dist.
3		0.165	0.217	76.12	OK
4		0.047	0.048	98.37	OK
5		0.075	0.096	77.68	OK
6		0.020	0.048	40.79	OK
7		0.053	0.072	73.00	OK
8		0.008	0.048	17.25	OK
9		0.022	0.048	45.56	OK
10		0.014	0.048	29.93	OK
11		0.023	0.024	94.22	OK
12		0.009	0.024	36.66	OK
13		0.018	0.024	75.33	OK
14		0.003	0.024	11.26	OK
15		0.012	0.024	50.35	OK
16		0.006	0.024	24.06	OK
17		0.008	0.024	35.10	OK
18		0.007	0.024	30.45	OK
19		0.008	0.024	34.93	OK
20		0.007	0.024	28.80	OK
21		0.006	0.024	23.82	OK
22		0.002	0.024	10.19	OK
23		0.005	0.024	20.49	OK
24		0.004	0.024	15.98	OK
25		0.006	0.024	24.69	OK
26		0.003	0.024	11.16	OK
27		0.005	0.024	21.00	OK
28		0.002	0.024	9.04	OK
29		0.005	0.024	18.76	OK
30		0.002	0.024	9.72	OK
31		0.004	0.024	15.88	OK
32		0.002	0.024	10.33	OK
33		0.005	0.024	19.16	OK
34		0.002	0.024	9.34	OK
35		0.003	0.024	12.62	OK
36		0.003	0.024	13.11	OK
37		0.003	0.024	12.56	OK
38		0.002	0.024	9.03	OK
39		0.003	0.024	12.17	OK
40		0.006	0.024	24.63	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:49:27

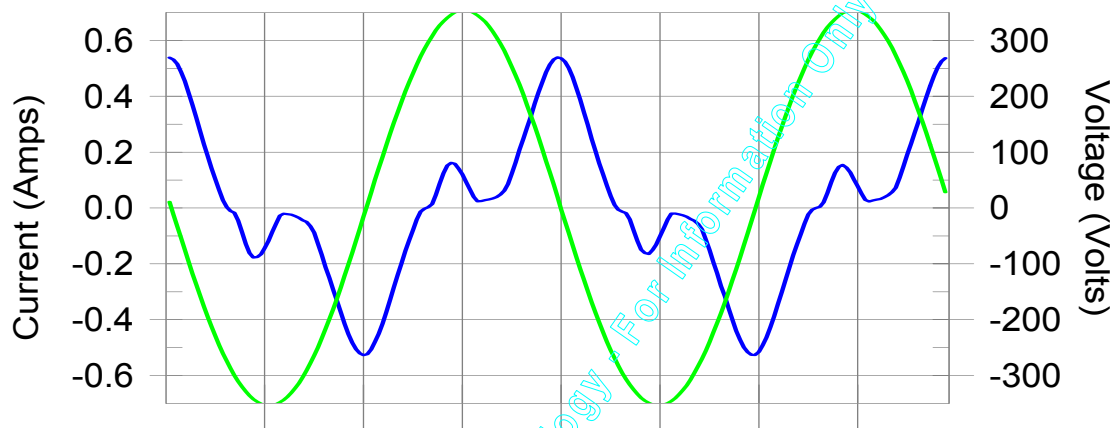
Start time: 10:47:06

Data file name: H-000366.cts\_data

Test Result: Pass

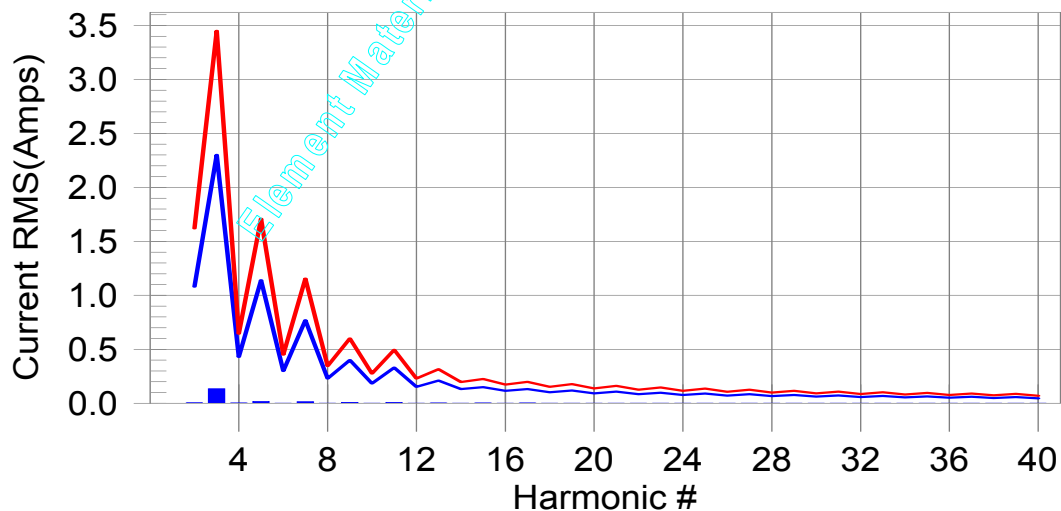
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.78% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:47:06  
End time: 10:49:27  
Data file name: H-000366.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.14 I-THD(%): 58.40 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 250.14  
I\_Peak (Amps): 0.542  
I\_Fund (Amps): 0.235  
Power (Watts): 14.2

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.273  
Crest Factor: 2.010  
Power Factor: 0.217

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.28	Pass
3	0.133	2.300	5.8	0.135	3.450	3.91	Pass
4	0.002	0.430	0.5	0.003	0.645	0.42	Pass
5	0.016	1.140	1.4	0.017	1.710	0.99	Pass
6	0.002	0.300	0.5	0.002	0.450	0.44	Pass
7	0.013	0.770	1.7	0.014	1.155	1.21	Pass
8	0.001	0.230	0.6	0.002	0.345	0.49	Pass
9	0.008	0.400	2.1	0.009	0.600	1.42	Pass
10	0.001	0.184	0.6	0.001	0.276	0.47	Pass
11	0.007	0.330	2.2	0.007	0.495	1.48	Pass
12	0.001	0.153	0.5	0.001	0.230	0.39	Pass
13	0.002	0.210	0.9	0.002	0.315	0.69	Pass
14	0.000	0.131	0.4	0.001	0.197	0.29	Pass
15	0.003	0.150	1.9	0.003	0.225	1.33	Pass
16	0.000	0.115	0.4	0.000	0.173	0.29	Pass
17	0.002	0.132	1.7	0.002	0.199	1.16	Pass
18	0.000	0.102	0.3	0.000	0.153	0.26	Pass
19	0.001	0.118	1.1	0.001	0.178	0.77	Pass
20	0.000	0.092	0.3	0.000	0.138	0.24	Pass
21	0.001	0.107	0.8	0.001	0.161	0.55	Pass
22	0.000	0.084	0.2	0.000	0.125	0.18	Pass
23	0.001	0.098	0.6	0.001	0.147	0.47	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.001	0.090	1.0	0.001	0.135	0.71	Pass
26	0.000	0.071	0.3	0.000	0.106	0.21	Pass
27	0.000	0.083	0.6	0.001	0.125	0.41	Pass
28	0.000	0.066	0.3	0.000	0.099	0.24	Pass
29	0.000	0.078	0.4	0.000	0.116	0.31	Pass
30	0.000	0.061	0.3	0.000	0.092	0.24	Pass
31	0.000	0.073	0.4	0.000	0.109	0.34	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.31	Pass
34	0.000	0.054	0.3	0.000	0.081	0.22	Pass
35	0.000	0.064	0.4	0.000	0.096	0.27	Pass
36	0.000	0.051	0.2	0.000	0.077	0.16	Pass
37	0.000	0.061	0.4	0.000	0.091	0.31	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.4	0.000	0.087	0.31	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:47:06  
End time: 10:49:27  
Data file name: H-000366.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	250.14	Frequency(Hz):	50.00
I_Peak (Amps):	0.542	I_RMS (Amps):	0.273
I_Fund (Amps):	0.235	Crest Factor:	2.010
Power (Watts):	14.2	Power Factor:	0.217

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.184	0.500	36.81	OK
3		0.556	2.250	24.70	OK
4		0.058	0.500	11.64	OK
5		0.067	1.000	6.67	OK
6		0.028	0.500	5.70	OK
7		0.045	0.750	6.03	OK
8		0.017	0.500	3.34	OK
9		0.027	0.500	5.31	OK
10		0.024	0.500	4.82	OK
11		0.023	0.250	9.10	OK
12		0.015	0.250	6.10	OK
13		0.023	0.250	9.35	OK
14		0.009	0.250	3.40	OK
15		0.013	0.250	5.15	OK
16		0.011	0.250	4.47	OK
17		0.010	0.250	4.00	OK
18		0.015	0.250	6.08	OK
19		0.007	0.250	2.93	OK
20		0.016	0.250	6.32	OK
21		0.006	0.250	2.56	OK
22		0.010	0.250	3.90	OK
23		0.006	0.250	2.26	OK
24		0.005	0.250	1.85	OK
25		0.008	0.250	3.20	OK
26		0.008	0.250	3.04	OK
27		0.005	0.250	1.93	OK
28		0.006	0.250	2.56	OK
29		0.006	0.250	2.33	OK
30		0.006	0.250	2.32	OK
31		0.005	0.250	1.99	OK
32		0.006	0.250	2.40	OK
33		0.005	0.250	1.80	OK
34		0.003	0.250	1.09	OK
35		0.003	0.250	1.32	OK
36		0.003	0.250	1.14	OK
37		0.004	0.250	1.43	OK
38		0.003	0.250	1.29	OK
39		0.003	0.250	1.33	OK
40		0.009	0.250	3.45	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:46:20

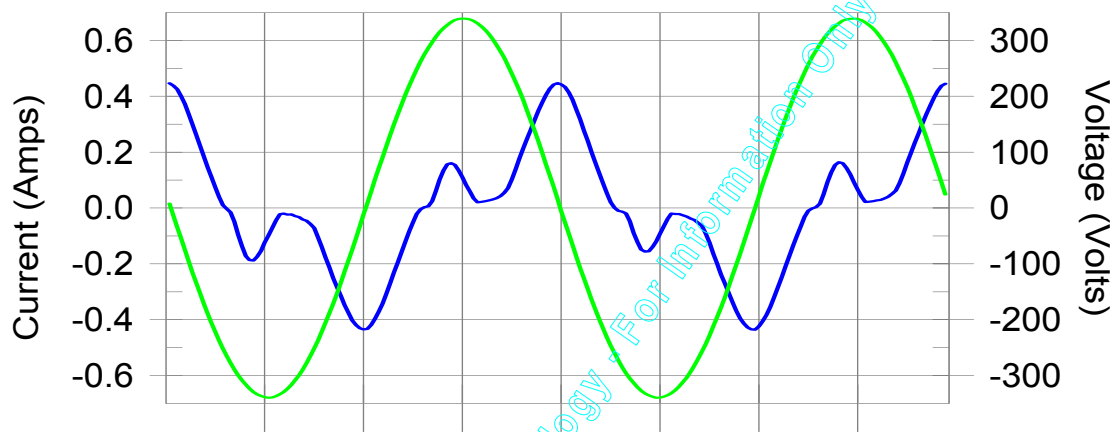
Start time: 10:43:59

Data file name: H-000365.cts\_data

Test Result: Pass

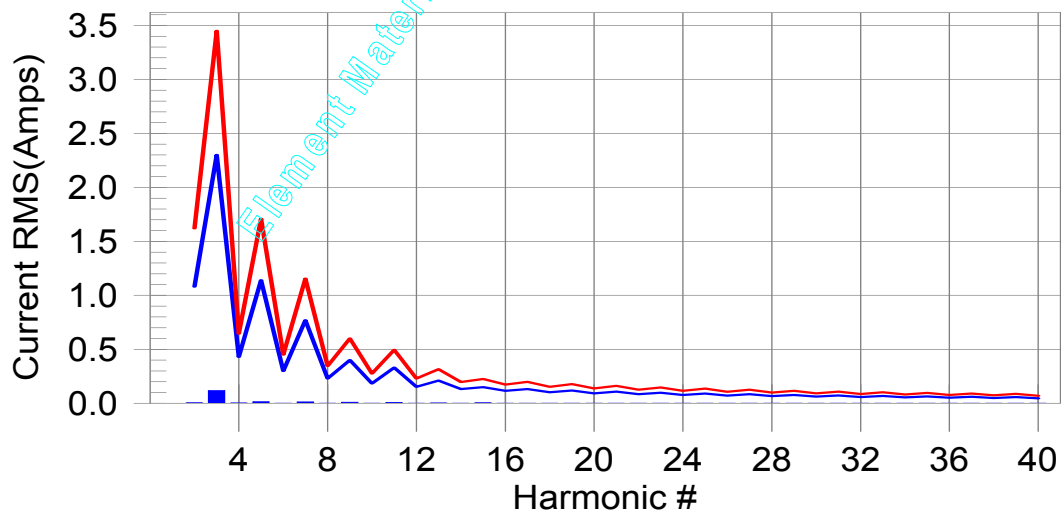
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.02% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 10:43:59 End time: 10:46:20  
Test duration (min): 2 Data file name: H-000365.cts\_data  
Comment: Sample 7  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.12 I-THD(%): 61.47 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 240.15 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.449 I\_RMS (Amps): 0.230  
I\_Fund (Amps): 0.194 Crest Factor: 1.999  
Power (Watts): 13.4 Power Factor: 0.255

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.115	2.300	5.0	0.118	3.450	3.42	Pass
4	0.002	0.430	0.5	0.003	0.645	0.41	Pass
5	0.014	1.140	1.2	0.015	1.710	0.85	Pass
6	0.002	0.300	0.6	0.002	0.450	0.45	Pass
7	0.013	0.770	1.7	0.013	1.155	1.16	Pass
8	0.001	0.230	0.6	0.002	0.345	0.48	Pass
9	0.009	0.400	2.4	0.010	0.600	1.60	Pass
10	0.001	0.184	0.6	0.001	0.276	0.46	Pass
11	0.007	0.330	2.0	0.007	0.495	1.37	Pass
12	0.001	0.153	0.5	0.001	0.230	0.38	Pass
13	0.002	0.210	1.0	0.002	0.315	0.69	Pass
14	0.001	0.131	0.4	0.001	0.197	0.29	Pass
15	0.003	0.150	2.0	0.003	0.225	1.41	Pass
16	0.000	0.115	0.4	0.000	0.173	0.27	Pass
17	0.002	0.132	1.3	0.002	0.199	0.87	Pass
18	0.000	0.102	0.4	0.000	0.153	0.27	Pass
19	0.001	0.118	1.2	0.001	0.178	0.84	Pass
20	0.000	0.092	0.3	0.000	0.138	0.21	Pass
21	0.001	0.107	0.5	0.001	0.161	0.35	Pass
22	0.000	0.084	0.2	0.000	0.125	0.18	Pass
23	0.001	0.098	0.9	0.001	0.147	0.68	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.001	0.090	0.8	0.001	0.135	0.54	Pass
26	0.000	0.071	0.3	0.000	0.106	0.20	Pass
27	0.000	0.083	0.4	0.000	0.125	0.26	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.29	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.4	0.000	0.109	0.29	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.32	Pass
34	0.000	0.054	0.3	0.000	0.081	0.20	Pass
35	0.000	0.064	0.4	0.000	0.096	0.30	Pass
36	0.000	0.051	0.2	0.000	0.077	0.16	Pass
37	0.000	0.061	0.4	0.000	0.091	0.30	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.3	0.000	0.087	0.23	Pass
40	0.000	0.046	0.2	0.000	0.069	0.15	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:43:59  
End time: 10:46:20  
Data file name: H-000365.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	240.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.449	I_RMS (Amps):	0.230
I_Fund (Amps):	0.194	Crest Factor:	1.999
Power (Watts):	13.4	Power Factor:	0.255

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.166	0.480	34.54	OK
3		0.496	2.160	22.94	OK
4		0.053	0.480	11.04	OK
5		0.053	0.960	5.49	OK
6		0.026	0.480	5.44	OK
7		0.036	0.720	5.03	OK
8		0.016	0.480	3.26	OK
9		0.022	0.480	4.57	OK
10		0.021	0.480	4.30	OK
11		0.022	0.240	9.36	OK
12		0.014	0.240	5.71	OK
13		0.021	0.240	8.82	OK
14		0.008	0.240	3.20	OK
15		0.009	0.240	3.84	OK
16		0.013	0.240	5.38	OK
17		0.008	0.240	3.26	OK
18		0.013	0.240	5.52	OK
19		0.007	0.240	2.75	OK
20		0.015	0.240	6.19	OK
21		0.007	0.240	2.77	OK
22		0.007	0.240	3.04	OK
23		0.005	0.240	2.28	OK
24		0.004	0.240	1.77	OK
25		0.006	0.240	2.54	OK
26		0.008	0.240	3.30	OK
27		0.005	0.240	1.91	OK
28		0.006	0.240	2.66	OK
29		0.006	0.240	2.45	OK
30		0.006	0.240	2.41	OK
31		0.004	0.240	1.56	OK
32		0.005	0.240	1.94	OK
33		0.004	0.240	1.67	OK
34		0.003	0.240	1.07	OK
35		0.003	0.240	1.39	OK
36		0.003	0.240	1.41	OK
37		0.003	0.240	1.34	OK
38		0.003	0.240	1.06	OK
39		0.003	0.240	1.31	OK
40		0.009	0.240	3.57	OK



## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:43:24

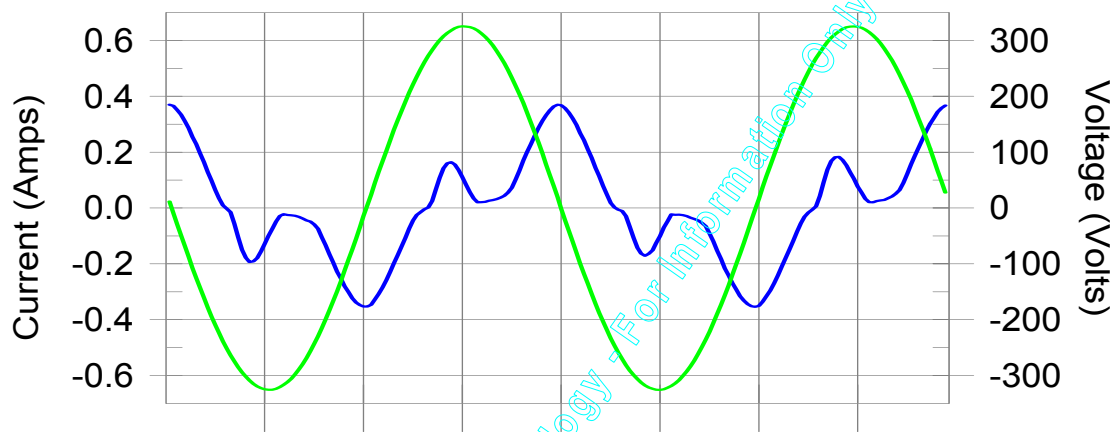
Start time: 10:41:02

Data file name: H-000364.cts\_data

Test Result: Pass

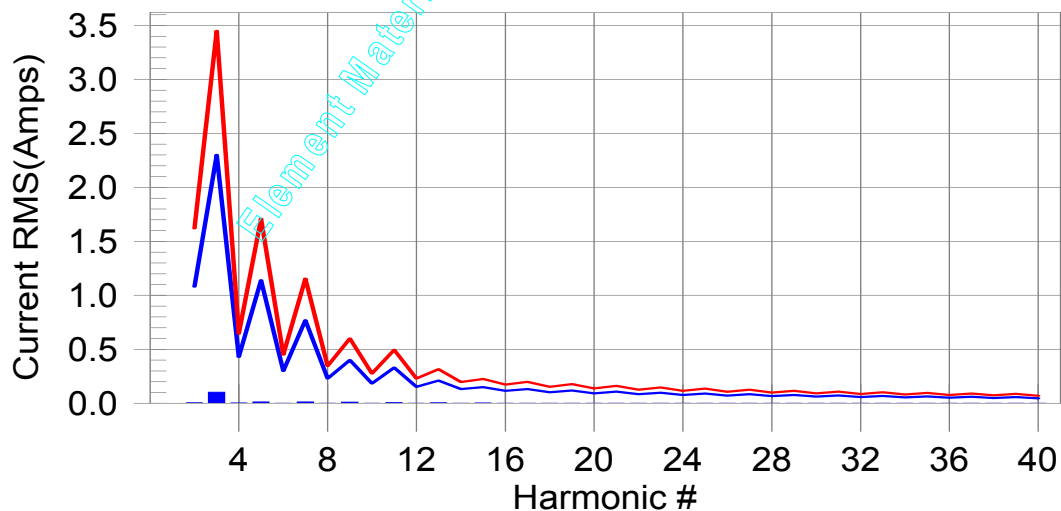
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.39% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 10:43:24  
Data file name: H-000364.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.10 I-THD(%): 65.74 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 230.15  
I\_Peak (Amps): 0.372  
I\_Fund (Amps): 0.160  
Power (Watts): 12.5

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.194  
Crest Factor: 1.978  
Power Factor: 0.295

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.25	Pass
3	0.101	2.300	4.4	0.103	3.450	2.99	Pass
4	0.002	0.430	0.5	0.003	0.645	0.41	Pass
5	0.013	1.140	1.2	0.013	1.710	0.78	Pass
6	0.002	0.300	0.6	0.002	0.450	0.45	Pass
7	0.013	0.770	1.7	0.013	1.155	1.15	Pass
8	0.001	0.230	0.6	0.002	0.345	0.50	Pass
9	0.010	0.400	2.6	0.010	0.600	1.75	Pass
10	0.001	0.184	0.6	0.001	0.276	0.52	Pass
11	0.005	0.330	1.7	0.006	0.495	1.15	Pass
12	0.001	0.153	0.5	0.001	0.230	0.46	Pass
13	0.003	0.210	1.4	0.003	0.315	1.01	Pass
14	0.001	0.131	0.5	0.001	0.197	0.41	Pass
15	0.003	0.150	1.8	0.003	0.225	1.26	Pass
16	0.000	0.115	0.4	0.001	0.173	0.36	Pass
17	0.002	0.132	1.2	0.002	0.199	0.87	Pass
18	0.000	0.102	0.4	0.001	0.153	0.36	Pass
19	0.001	0.118	1.1	0.001	0.178	0.75	Pass
20	0.000	0.092	0.3	0.000	0.138	0.32	Pass
21	0.001	0.107	0.6	0.001	0.161	0.44	Pass
22	0.000	0.084	0.3	0.000	0.125	0.31	Pass
23	0.001	0.098	0.9	0.001	0.147	0.67	Pass
24	0.000	0.077	0.3	0.000	0.115	0.29	Pass
25	0.000	0.090	0.5	0.001	0.135	0.38	Pass
26	0.000	0.071	0.3	0.000	0.106	0.29	Pass
27	0.000	0.083	0.3	0.000	0.125	0.29	Pass
28	0.000	0.066	0.4	0.000	0.099	0.31	Pass
29	0.000	0.078	0.4	0.000	0.116	0.29	Pass
30	0.000	0.061	0.3	0.000	0.092	0.29	Pass
31	0.000	0.073	0.4	0.000	0.109	0.33	Pass
32	0.000	0.058	0.4	0.000	0.086	0.32	Pass
33	0.000	0.068	0.5	0.000	0.102	0.35	Pass
34	0.000	0.054	0.3	0.000	0.081	0.28	Pass
35	0.000	0.064	0.4	0.000	0.096	0.30	Pass
36	0.000	0.051	0.3	0.000	0.077	0.26	Pass
37	0.000	0.061	0.3	0.000	0.091	0.26	Pass
38	0.000	0.048	0.3	0.000	0.073	0.26	Pass
39	0.000	0.058	0.3	0.000	0.087	0.25	Pass
40	0.000	0.046	0.2	0.000	0.069	0.22	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:41:02  
End time: 10:43:24  
Data file name: H-000364.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	230.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.372	I_RMS (Amps):	0.194
I_Fund (Amps):	0.160	Crest Factor:	1.978
Power (Watts):	12.5	Power Factor:	0.295

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.155	0.460	33.77	OK
3		0.450	2.071	21.73	OK
4		0.052	0.460	11.30	OK
5		0.049	0.920	5.34	OK
6		0.026	0.460	5.61	OK
7		0.036	0.690	5.20	OK
8		0.018	0.460	3.81	OK
9		0.017	0.460	3.65	OK
10		0.018	0.460	3.88	OK
11		0.024	0.230	10.40	OK
12		0.013	0.230	5.74	OK
13		0.020	0.230	8.52	OK
14		0.009	0.230	3.80	OK
15		0.008	0.230	3.43	OK
16		0.014	0.230	5.89	OK
17		0.007	0.230	2.87	OK
18		0.012	0.230	5.42	OK
19		0.006	0.230	2.59	OK
20		0.013	0.230	5.58	OK
21		0.008	0.230	3.50	OK
22		0.006	0.230	2.53	OK
23		0.005	0.230	2.02	OK
24		0.005	0.230	2.05	OK
25		0.006	0.230	2.69	OK
26		0.008	0.230	3.66	OK
27		0.005	0.230	2.25	OK
28		0.007	0.230	2.86	OK
29		0.005	0.230	2.29	OK
30		0.005	0.230	2.06	OK
31		0.003	0.230	1.42	OK
32		0.005	0.230	2.06	OK
33		0.004	0.230	1.89	OK
34		0.003	0.230	1.14	OK
35		0.003	0.230	1.27	OK
36		0.003	0.230	1.13	OK
37		0.003	0.230	1.39	OK
38		0.002	0.230	0.95	OK
39		0.003	0.230	1.23	OK
40		0.009	0.230	3.75	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:40:21

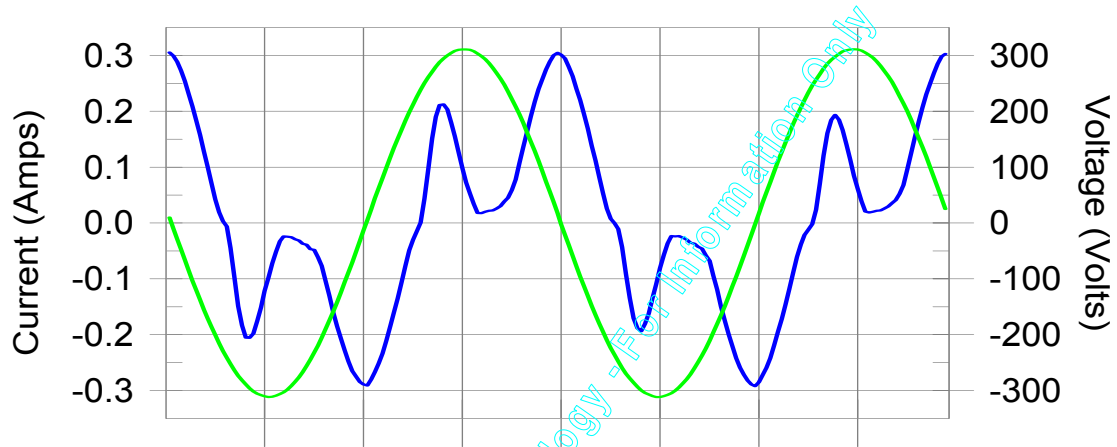
Start time: 10:38:00

Data file name: H-000363.cts\_data

Test Result: Pass

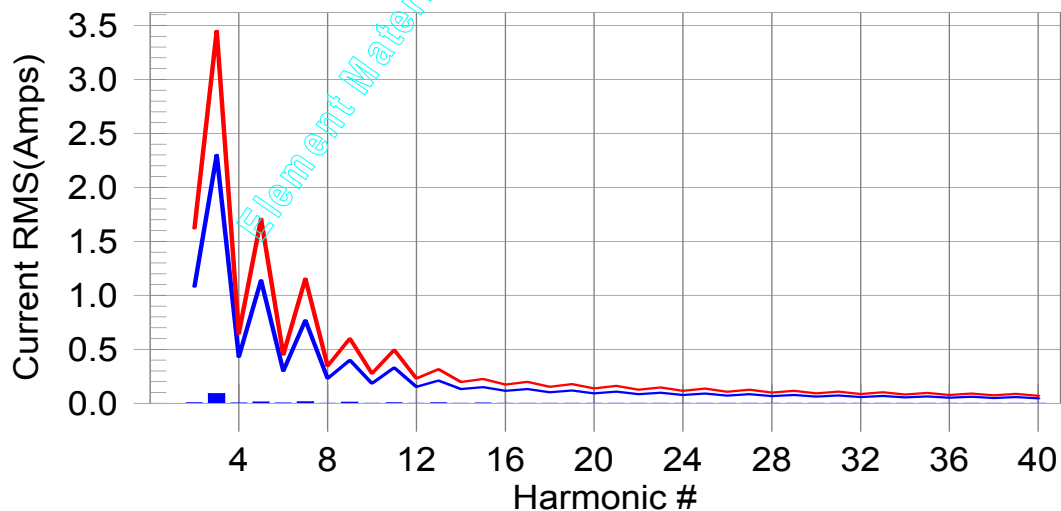
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.89% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 10:40:21  
Data file name: H-000363.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.09 I-THD(%): 71.47 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 220.15  
I\_Peak (Amps): 0.307  
I\_Fund (Amps): 0.132  
Power (Watts): 11.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.164  
Crest Factor: 1.958  
Power Factor: 0.351

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.26	Pass
3	0.090	2.300	3.9	0.092	3.450	2.67	Pass
4	0.002	0.430	0.6	0.003	0.645	0.43	Pass
5	0.013	1.140	1.1	0.013	1.710	0.75	Pass
6	0.002	0.300	0.6	0.002	0.450	0.49	Pass
7	0.014	0.770	1.8	0.014	1.155	1.22	Pass
8	0.002	0.230	0.7	0.002	0.345	0.51	Pass
9	0.011	0.400	2.7	0.011	0.600	1.81	Pass
10	0.001	0.184	0.7	0.001	0.276	0.51	Pass
11	0.004	0.330	1.3	0.004	0.495	0.91	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.004	0.210	1.8	0.004	0.315	1.26	Pass
14	0.001	0.131	0.4	0.001	0.197	0.33	Pass
15	0.002	0.150	1.5	0.002	0.225	1.04	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.002	0.132	1.4	0.002	0.199	0.95	Pass
18	0.000	0.102	0.4	0.000	0.153	0.27	Pass
19	0.001	0.118	0.7	0.001	0.178	0.50	Pass
20	0.000	0.092	0.3	0.000	0.138	0.22	Pass
21	0.001	0.107	0.8	0.001	0.161	0.62	Pass
22	0.000	0.084	0.3	0.000	0.125	0.20	Pass
23	0.001	0.098	0.7	0.001	0.147	0.50	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.000	0.090	0.4	0.000	0.135	0.27	Pass
26	0.000	0.071	0.3	0.000	0.106	0.21	Pass
27	0.000	0.083	0.3	0.000	0.125	0.26	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.32	Pass
30	0.000	0.061	0.3	0.000	0.092	0.22	Pass
31	0.000	0.073	0.4	0.000	0.109	0.30	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.29	Pass
34	0.000	0.054	0.3	0.000	0.081	0.20	Pass
35	0.000	0.064	0.3	0.000	0.096	0.20	Pass
36	0.000	0.051	0.2	0.000	0.077	0.16	Pass
37	0.000	0.061	0.3	0.000	0.091	0.22	Pass
38	0.000	0.048	0.2	0.000	0.073	0.17	Pass
39	0.000	0.058	0.4	0.000	0.087	0.26	Pass
40	0.000	0.046	0.2	0.000	0.069	0.15	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:38:00  
End time: 10:40:21  
Data file name: H-000363.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	220.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.307	I_RMS (Amps):	0.164
I_Fund (Amps):	0.132	Crest Factor:	1.958
Power (Watts):	11.9	Power Factor:	0.351

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.160	0.440	36.30	OK
3		0.431	1.980	21.77	OK
4		0.057	0.440	12.97	OK
5		0.051	0.880	5.82	OK
6		0.028	0.440	6.29	OK
7		0.039	0.660	5.95	OK
8		0.020	0.440	4.57	OK
9		0.015	0.440	3.37	OK
10		0.017	0.440	3.93	OK
11		0.025	0.220	11.36	OK
12		0.014	0.220	6.35	OK
13		0.018	0.220	8.36	OK
14		0.011	0.220	4.88	OK
15		0.008	0.220	3.49	OK
16		0.014	0.220	6.32	OK
17		0.007	0.220	3.16	OK
18		0.011	0.220	4.97	OK
19		0.008	0.220	3.51	OK
20		0.010	0.220	4.52	OK
21		0.008	0.220	3.44	OK
22		0.006	0.220	2.66	OK
23		0.005	0.220	2.19	OK
24		0.005	0.220	2.39	OK
25		0.007	0.220	3.11	OK
26		0.009	0.220	3.87	OK
27		0.005	0.220	2.39	OK
28		0.005	0.220	2.33	OK
29		0.006	0.220	2.56	OK
30		0.005	0.220	2.30	OK
31		0.003	0.220	1.56	OK
32		0.005	0.220	2.11	OK
33		0.005	0.220	2.06	OK
34		0.002	0.220	0.97	OK
35		0.004	0.220	1.59	OK
36		0.003	0.220	1.21	OK
37		0.003	0.220	1.45	OK
38		0.002	0.220	1.02	OK
39		0.003	0.220	1.30	OK
40		0.009	0.220	3.92	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 7

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:35:50

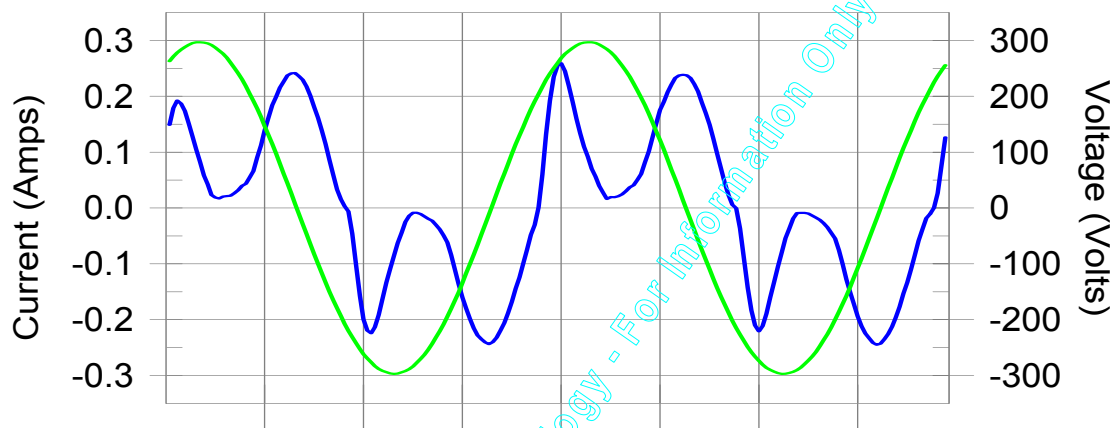
Start time: 10:33:28

Data file name: H-000362.cts\_data

Test Result: Pass

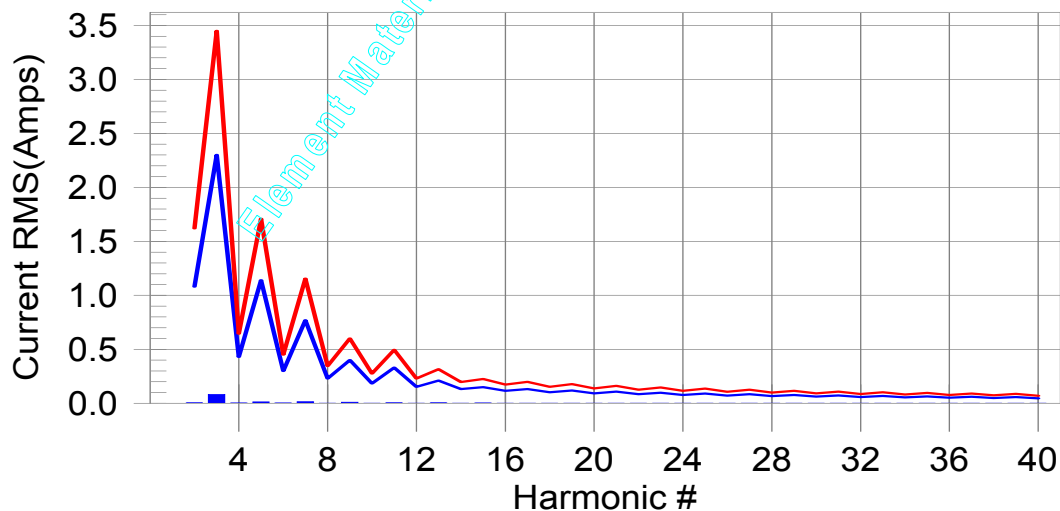
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.49% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 10:35:50  
Data file name: H-000362.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.08 I-THD(%): 79.18 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 210.16  
I\_Peak (Amps): 0.262  
I\_Fund (Amps): 0.107  
Power (Watts): 11.3

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.140  
Crest Factor: 1.916  
Power Factor: 0.413

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.25	Pass
3	0.080	2.300	3.5	0.083	3.450	2.41	Pass
4	0.003	0.430	0.6	0.003	0.645	0.46	Pass
5	0.012	1.140	1.1	0.013	1.710	0.75	Pass
6	0.002	0.300	0.7	0.002	0.450	0.53	Pass
7	0.015	0.770	1.9	0.015	1.155	1.32	Pass
8	0.002	0.230	0.7	0.002	0.345	0.57	Pass
9	0.010	0.400	2.5	0.010	0.600	1.73	Pass
10	0.001	0.184	0.7	0.001	0.276	0.54	Pass
11	0.004	0.330	1.2	0.004	0.495	0.85	Pass
12	0.001	0.153	0.6	0.001	0.230	0.45	Pass
13	0.004	0.210	1.8	0.004	0.315	1.29	Pass
14	0.001	0.131	0.5	0.001	0.197	0.34	Pass
15	0.002	0.150	1.5	0.002	0.225	1.07	Pass
16	0.000	0.115	0.4	0.001	0.173	0.31	Pass
17	0.002	0.132	1.2	0.002	0.199	0.84	Pass
18	0.000	0.102	0.4	0.000	0.153	0.27	Pass
19	0.001	0.118	0.6	0.001	0.178	0.48	Pass
20	0.000	0.092	0.3	0.000	0.138	0.24	Pass
21	0.001	0.107	0.8	0.001	0.161	0.60	Pass
22	0.000	0.084	0.3	0.000	0.125	0.21	Pass
23	0.000	0.098	0.5	0.001	0.147	0.35	Pass
24	0.000	0.077	0.3	0.000	0.115	0.21	Pass
25	0.000	0.090	0.4	0.000	0.135	0.30	Pass
26	0.000	0.071	0.3	0.000	0.106	0.19	Pass
27	0.000	0.083	0.4	0.000	0.125	0.30	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.5	0.000	0.116	0.34	Pass
30	0.000	0.061	0.3	0.000	0.092	0.20	Pass
31	0.000	0.073	0.4	0.000	0.109	0.26	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.3	0.000	0.102	0.21	Pass
34	0.000	0.054	0.2	0.000	0.081	0.19	Pass
35	0.000	0.064	0.3	0.000	0.096	0.22	Pass
36	0.000	0.051	0.2	0.000	0.077	0.18	Pass
37	0.000	0.061	0.4	0.000	0.091	0.25	Pass
38	0.000	0.048	0.2	0.000	0.073	0.17	Pass
39	0.000	0.058	0.3	0.000	0.087	0.24	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass



### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 7  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:33:28  
End time: 10:35:50  
Data file name: H-000362.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 210.16	Frequency(Hz): 50.00
I_Peak (Amps): 0.262	I_RMS (Amps): 0.140
I_Fund (Amps): 0.107	Crest Factor: 1.916
Power (Watts): 11.3	Power Factor: 0.413

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.139	0.420	33.18	OK
3		0.367	1.891	19.41	OK
4		0.053	0.420	12.55	OK
5		0.050	0.840	5.98	OK
6		0.024	0.420	5.67	OK
7		0.036	0.630	5.67	OK
8		0.019	0.420	4.47	OK
9		0.013	0.420	3.08	OK
10		0.015	0.420	3.53	OK
11		0.022	0.210	10.66	OK
12		0.013	0.210	6.27	OK
13		0.015	0.210	7.13	OK
14		0.012	0.210	5.84	OK
15		0.008	0.210	3.62	OK
16		0.014	0.210	6.67	OK
17		0.007	0.210	3.21	OK
18		0.009	0.210	4.05	OK
19		0.006	0.210	2.88	OK
20		0.009	0.210	4.22	OK
21		0.007	0.210	3.34	OK
22		0.007	0.210	3.16	OK
23		0.004	0.210	2.13	OK
24		0.005	0.210	2.58	OK
25		0.007	0.210	3.13	OK
26		0.008	0.210	3.75	OK
27		0.005	0.210	2.27	OK
28		0.006	0.210	2.63	OK
29		0.005	0.210	2.44	OK
30		0.005	0.210	2.20	OK
31		0.003	0.210	1.59	OK
32		0.004	0.210	2.01	OK
33		0.005	0.210	2.23	OK
34		0.002	0.210	0.98	OK
35		0.003	0.210	1.45	OK
36		0.002	0.210	1.17	OK
37		0.003	0.210	1.36	OK
38		0.003	0.210	1.21	OK
39		0.002	0.210	1.18	OK
40		0.009	0.210	4.13	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:30:37

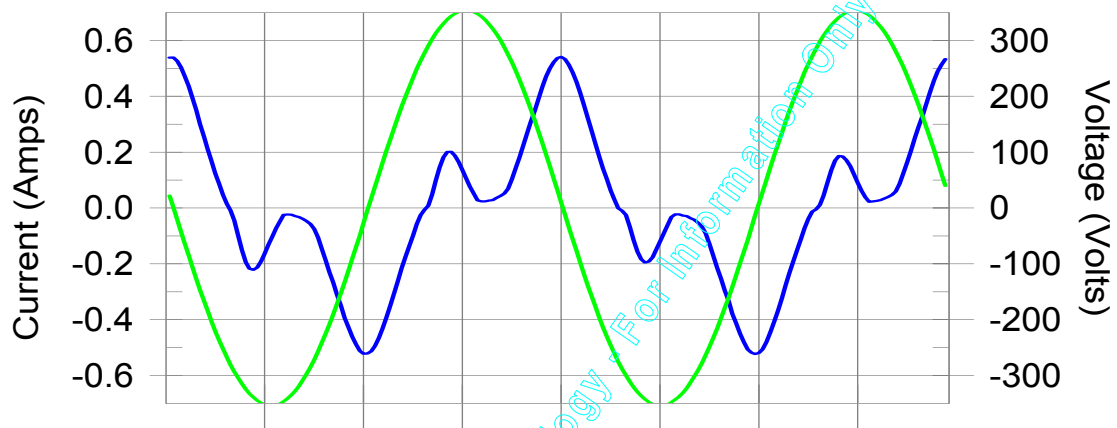
Start time: 10:28:15

Data file name: H-000361.cts\_data

Test Result: Pass

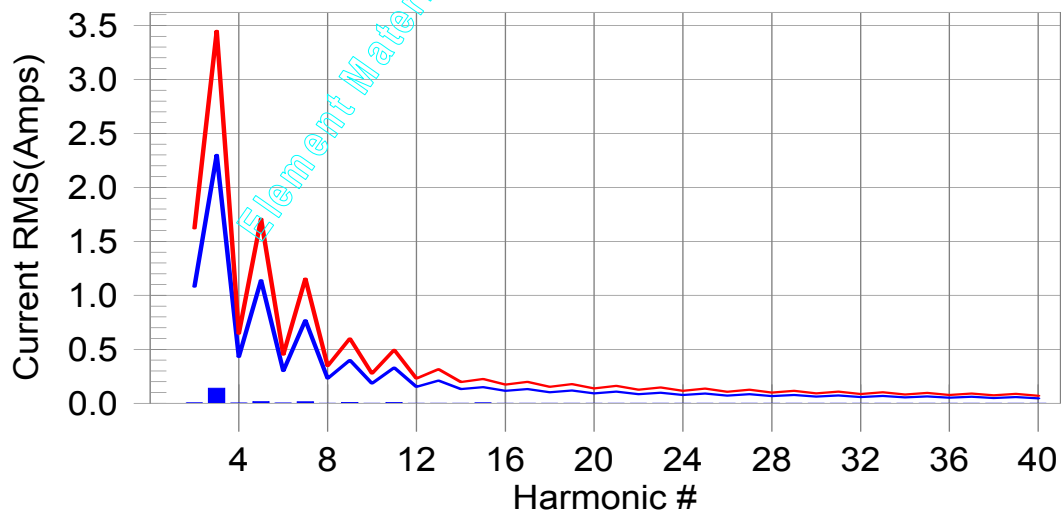
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 6.02% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 10:30:37  
Data file name: H-000361.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.14 I-THD(%): 61.09 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 250.15  
I\_Peak (Amps): 0.542  
I\_Fund (Amps): 0.234  
Power (Watts): 15.6

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.275  
Crest Factor: 1.999  
Power Factor: 0.239

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.004	1.080	0.3	0.004	1.620	0.26	Pass
3	0.138	2.300	6.0	0.141	3.450	4.08	Pass
4	0.002	0.430	0.6	0.003	0.645	0.42	Pass
5	0.015	1.140	1.3	0.016	1.710	0.91	Pass
6	0.002	0.300	0.6	0.002	0.450	0.48	Pass
7	0.015	0.770	1.9	0.016	1.155	1.34	Pass
8	0.001	0.230	0.6	0.002	0.345	0.51	Pass
9	0.009	0.400	2.2	0.009	0.600	1.49	Pass
10	0.001	0.184	0.6	0.001	0.276	0.47	Pass
11	0.006	0.330	1.8	0.006	0.495	1.27	Pass
12	0.001	0.153	0.5	0.001	0.230	0.39	Pass
13	0.002	0.210	0.8	0.002	0.315	0.59	Pass
14	0.000	0.131	0.4	0.001	0.197	0.28	Pass
15	0.003	0.150	2.1	0.003	0.225	1.42	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.002	0.132	1.4	0.002	0.199	0.99	Pass
18	0.000	0.102	0.3	0.000	0.153	0.25	Pass
19	0.001	0.118	1.1	0.001	0.178	0.72	Pass
20	0.000	0.092	0.3	0.000	0.138	0.22	Pass
21	0.001	0.107	0.7	0.001	0.161	0.49	Pass
22	0.000	0.084	0.2	0.000	0.125	0.18	Pass
23	0.001	0.098	0.9	0.001	0.147	0.64	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.001	0.090	1.0	0.001	0.135	0.68	Pass
26	0.000	0.071	0.3	0.000	0.106	0.19	Pass
27	0.000	0.083	0.4	0.000	0.125	0.28	Pass
28	0.000	0.066	0.3	0.000	0.099	0.23	Pass
29	0.001	0.078	0.7	0.001	0.116	0.48	Pass
30	0.000	0.061	0.3	0.000	0.092	0.24	Pass
31	0.000	0.073	0.6	0.000	0.109	0.40	Pass
32	0.000	0.058	0.4	0.000	0.086	0.26	Pass
33	0.000	0.068	0.4	0.000	0.102	0.30	Pass
34	0.000	0.054	0.3	0.000	0.081	0.22	Pass
35	0.000	0.064	0.3	0.000	0.096	0.20	Pass
36	0.000	0.051	0.2	0.000	0.077	0.16	Pass
37	0.000	0.061	0.5	0.000	0.091	0.34	Pass
38	0.000	0.048	0.3	0.000	0.073	0.19	Pass
39	0.000	0.058	0.5	0.000	0.087	0.35	Pass
40	0.000	0.046	0.2	0.000	0.069	0.16	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:28:15  
End time: 10:30:37  
Data file name: H-000361.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 250.15	Frequency(Hz): 50.00
I_Peak (Amps): 0.542	I_RMS (Amps): 0.275
I_Fund (Amps): 0.234	Crest Factor: 1.999
Power (Watts): 15.6	Power Factor: 0.239

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.161	0.500	32.23	OK
3		0.509	2.251	22.61	OK
4		0.052	0.500	10.42	OK
5		0.057	1.000	5.73	OK
6		0.024	0.500	4.83	OK
7		0.039	0.750	5.23	OK
8		0.015	0.500	3.02	OK
9		0.026	0.500	5.16	OK
10		0.021	0.500	4.23	OK
11		0.020	0.250	7.80	OK
12		0.013	0.250	5.37	OK
13		0.022	0.250	8.88	OK
14		0.008	0.250	3.32	OK
15		0.011	0.250	4.37	OK
16		0.010	0.250	4.19	OK
17		0.009	0.250	3.45	OK
18		0.015	0.250	5.83	OK
19		0.006	0.250	2.37	OK
20		0.015	0.250	6.08	OK
21		0.006	0.250	2.30	OK
22		0.010	0.250	3.82	OK
23		0.005	0.250	1.89	OK
24		0.004	0.250	1.79	OK
25		0.008	0.250	3.06	OK
26		0.007	0.250	2.84	OK
27		0.004	0.250	1.59	OK
28		0.006	0.250	2.55	OK
29		0.005	0.250	2.06	OK
30		0.006	0.250	2.30	OK
31		0.005	0.250	1.87	OK
32		0.006	0.250	2.30	OK
33		0.004	0.250	1.69	OK
34		0.002	0.250	0.96	OK
35		0.003	0.250	1.02	OK
36		0.003	0.250	1.05	OK
37		0.003	0.250	1.38	OK
38		0.003	0.250	1.36	OK
39		0.003	0.250	1.15	OK
40		0.009	0.250	3.45	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:27:36

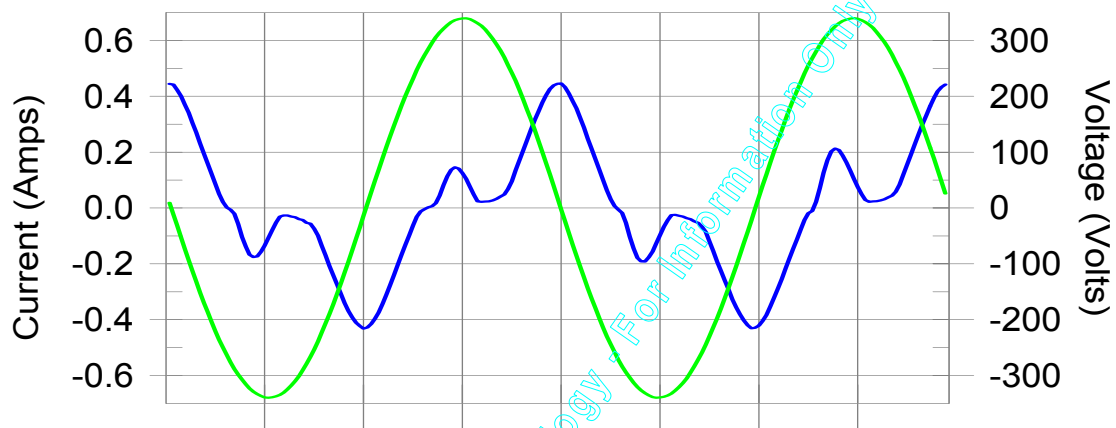
Start time: 10:25:15

Data file name: H-000360.cts\_data

Test Result: Pass

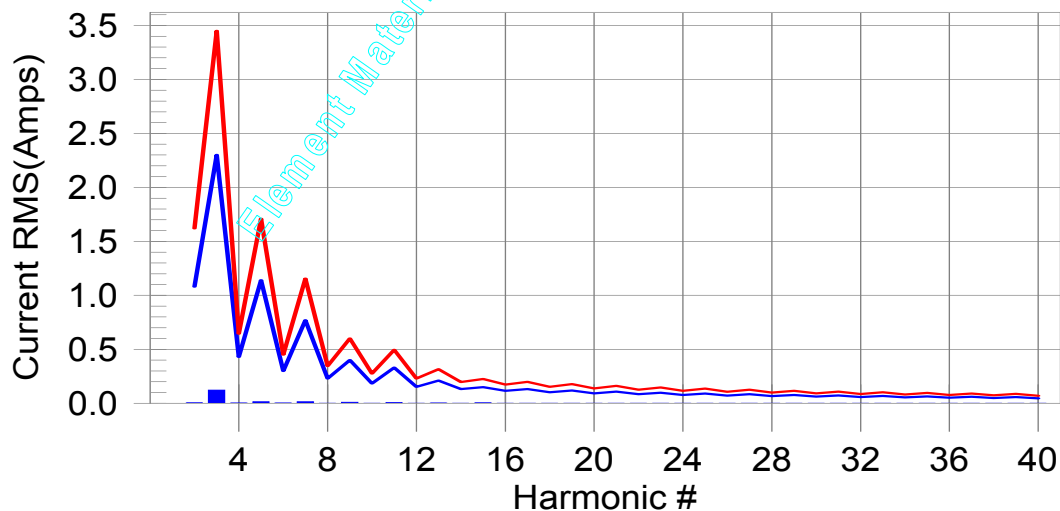
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.26% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 10:27:36  
Data file name: H-000360.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.12 I-THD(%): 64.71 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 240.15  
I\_Peak (Amps): 0.450  
I\_Fund (Amps): 0.194  
Power (Watts): 14.7

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.232  
Crest Factor: 1.982  
Power Factor: 0.275

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.26	Pass
3	0.121	2.300	5.3	0.123	3.450	3.57	Pass
4	0.003	0.430	0.6	0.003	0.645	0.45	Pass
5	0.014	1.140	1.2	0.014	1.710	0.83	Pass
6	0.002	0.300	0.6	0.002	0.450	0.50	Pass
7	0.014	0.770	1.9	0.015	1.155	1.28	Pass
8	0.002	0.230	0.7	0.002	0.345	0.54	Pass
9	0.010	0.400	2.4	0.010	0.600	1.61	Pass
10	0.001	0.184	0.6	0.001	0.276	0.50	Pass
11	0.005	0.330	1.6	0.006	0.495	1.13	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.003	0.210	1.2	0.003	0.315	0.89	Pass
14	0.001	0.131	0.4	0.001	0.197	0.31	Pass
15	0.003	0.150	2.1	0.003	0.225	1.41	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.001	0.132	1.1	0.002	0.199	0.76	Pass
18	0.000	0.102	0.4	0.000	0.153	0.27	Pass
19	0.001	0.118	1.1	0.001	0.178	0.77	Pass
20	0.000	0.092	0.3	0.000	0.138	0.22	Pass
21	0.001	0.107	0.6	0.001	0.161	0.44	Pass
22	0.000	0.084	0.3	0.000	0.125	0.20	Pass
23	0.001	0.098	1.1	0.001	0.147	0.78	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.001	0.090	0.7	0.001	0.135	0.47	Pass
26	0.000	0.071	0.3	0.000	0.106	0.19	Pass
27	0.000	0.083	0.5	0.000	0.125	0.37	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.6	0.000	0.116	0.42	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.5	0.000	0.109	0.34	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.27	Pass
34	0.000	0.054	0.3	0.000	0.081	0.19	Pass
35	0.000	0.064	0.4	0.000	0.096	0.29	Pass
36	0.000	0.051	0.2	0.000	0.077	0.18	Pass
37	0.000	0.061	0.5	0.000	0.091	0.37	Pass
38	0.000	0.048	0.2	0.000	0.073	0.17	Pass
39	0.000	0.058	0.3	0.000	0.087	0.23	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:25:15  
End time: 10:27:36  
Data file name: H-000360.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 240.15  
I\_Peak (Amps): 0.450  
I\_Fund (Amps): 0.194  
Power (Watts): 14.7

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.232  
Crest Factor: 1.982  
Power Factor: 0.275

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.158	0.480	32.99	OK
3		0.476	2.160	22.02	OK
4		0.051	0.480	10.60	OK
5		0.052	0.960	5.37	OK
6		0.025	0.480	5.17	OK
7		0.034	0.720	4.79	OK
8		0.015	0.480	3.20	OK
9		0.022	0.480	4.59	OK
10		0.020	0.480	4.26	OK
11		0.021	0.240	8.78	OK
12		0.013	0.240	5.29	OK
13		0.022	0.240	9.28	OK
14		0.007	0.240	3.12	OK
15		0.008	0.240	3.51	OK
16		0.013	0.240	5.34	OK
17		0.007	0.240	2.84	OK
18		0.013	0.240	5.50	OK
19		0.006	0.240	2.41	OK
20		0.015	0.240	6.17	OK
21		0.007	0.240	2.73	OK
22		0.007	0.240	3.06	OK
23		0.005	0.240	2.13	OK
24		0.004	0.240	1.75	OK
25		0.006	0.240	2.46	OK
26		0.008	0.240	3.27	OK
27		0.005	0.240	1.90	OK
28		0.006	0.240	2.65	OK
29		0.006	0.240	2.36	OK
30		0.006	0.240	2.43	OK
31		0.003	0.240	1.43	OK
32		0.005	0.240	1.88	OK
33		0.004	0.240	1.66	OK
34		0.002	0.240	0.98	OK
35		0.003	0.240	1.31	OK
36		0.003	0.240	1.40	OK
37		0.003	0.240	1.28	OK
38		0.002	0.240	0.99	OK
39		0.003	0.240	1.12	OK
40		0.009	0.240	3.61	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:23:55

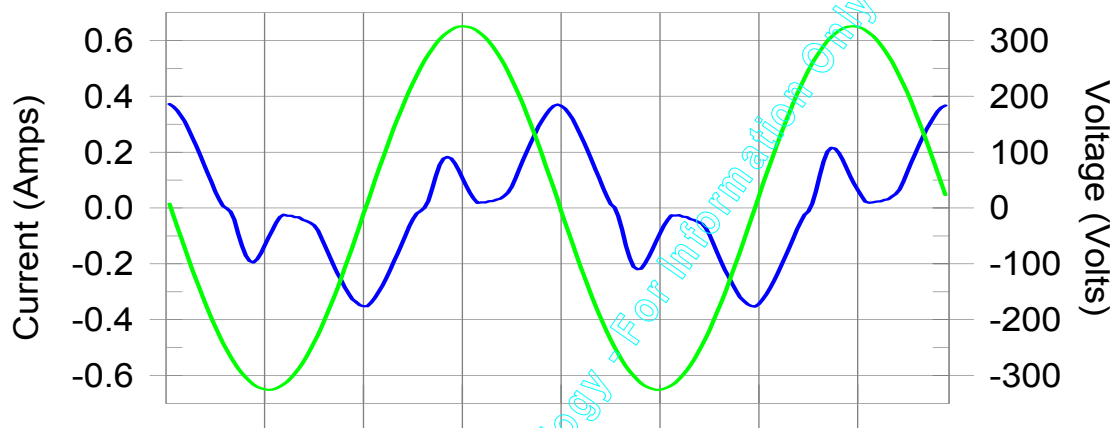
Start time: 10:21:34

Data file name: H-000359.cts\_data

Test Result: Pass

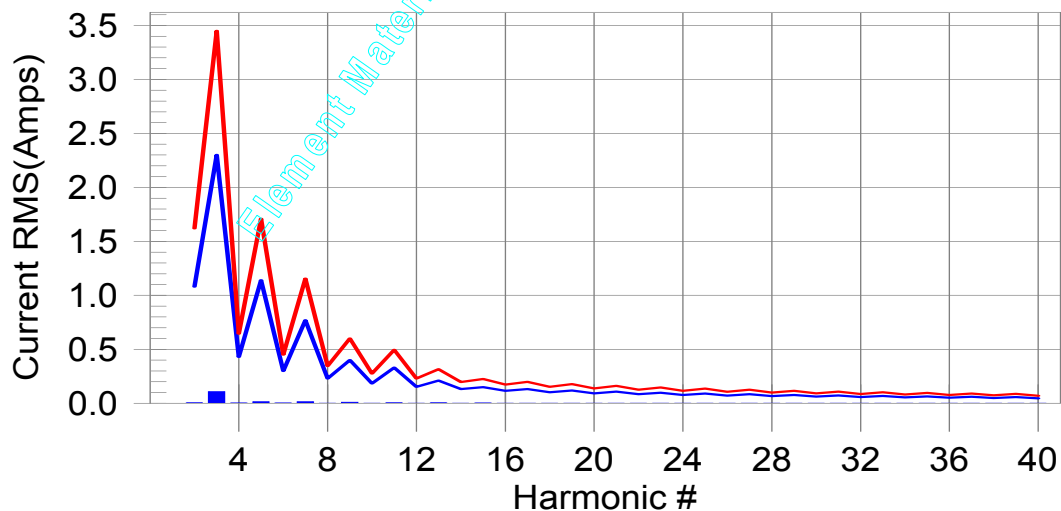
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.62% of the limit.



### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:21:34  
End time: 10:23:55  
Data file name: H-000359.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.11 I-THD(%): 69.20 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 230.15  
I\_Peak (Amps): 0.372  
I\_Fund (Amps): 0.160  
Power (Watts): 13.8

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.196  
Crest Factor: 1.962  
Power Factor: 0.322

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.25	Pass
3	0.106	2.300	4.6	0.109	3.450	3.16	Pass
4	0.003	0.430	0.6	0.003	0.645	0.46	Pass
5	0.014	1.140	1.2	0.014	1.710	0.81	Pass
6	0.002	0.300	0.7	0.002	0.450	0.52	Pass
7	0.014	0.770	1.8	0.015	1.155	1.26	Pass
8	0.002	0.230	0.7	0.002	0.345	0.54	Pass
9	0.010	0.400	2.5	0.010	0.600	1.70	Pass
10	0.001	0.184	0.7	0.001	0.276	0.53	Pass
11	0.004	0.330	1.3	0.005	0.495	0.95	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.004	0.210	1.7	0.004	0.315	1.21	Pass
14	0.001	0.131	0.4	0.001	0.197	0.34	Pass
15	0.003	0.150	1.8	0.003	0.225	1.21	Pass
16	0.000	0.115	0.4	0.001	0.173	0.29	Pass
17	0.002	0.132	1.2	0.002	0.199	0.82	Pass
18	0.000	0.102	0.4	0.000	0.153	0.28	Pass
19	0.001	0.118	0.9	0.001	0.178	0.63	Pass
20	0.000	0.092	0.3	0.000	0.138	0.22	Pass
21	0.001	0.107	0.9	0.001	0.161	0.66	Pass
22	0.000	0.084	0.3	0.000	0.125	0.22	Pass
23	0.001	0.098	1.0	0.001	0.147	0.68	Pass
24	0.000	0.077	0.3	0.000	0.115	0.20	Pass
25	0.000	0.090	0.4	0.000	0.135	0.28	Pass
26	0.000	0.071	0.3	0.000	0.106	0.21	Pass
27	0.000	0.083	0.5	0.001	0.125	0.40	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.5	0.000	0.116	0.35	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.4	0.000	0.109	0.31	Pass
32	0.000	0.058	0.4	0.000	0.086	0.28	Pass
33	0.000	0.068	0.3	0.000	0.102	0.25	Pass
34	0.000	0.054	0.3	0.000	0.081	0.20	Pass
35	0.000	0.064	0.4	0.000	0.096	0.33	Pass
36	0.000	0.051	0.2	0.000	0.077	0.17	Pass
37	0.000	0.061	0.4	0.000	0.091	0.26	Pass
38	0.000	0.048	0.2	0.000	0.073	0.17	Pass
39	0.000	0.058	0.3	0.000	0.087	0.19	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:21:34  
End time: 10:23:55  
Data file name: H-000359.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	230.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.372	I_RMS (Amps):	0.196
I_Fund (Amps):	0.160	Crest Factor:	1.962
Power (Watts):	13.8	Power Factor:	0.322

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.159	0.460	34.64	OK
3		0.451	2.070	21.81	OK
4		0.052	0.460	11.26	OK
5		0.050	0.920	5.43	OK
6		0.026	0.460	5.59	OK
7		0.035	0.690	5.08	OK
8		0.018	0.460	3.87	OK
9		0.018	0.460	3.90	OK
10		0.018	0.460	3.96	OK
11		0.023	0.230	9.95	OK
12		0.013	0.230	5.78	OK
13		0.020	0.230	8.79	OK
14		0.009	0.230	4.09	OK
15		0.008	0.230	3.38	OK
16		0.014	0.230	5.91	OK
17		0.006	0.230	2.78	OK
18		0.012	0.230	5.42	OK
19		0.006	0.230	2.50	OK
20		0.013	0.230	5.46	OK
21		0.008	0.230	3.66	OK
22		0.006	0.230	2.63	OK
23		0.005	0.230	1.98	OK
24		0.005	0.230	2.04	OK
25		0.006	0.230	2.47	OK
26		0.008	0.230	3.64	OK
27		0.006	0.230	2.41	OK
28		0.006	0.230	2.82	OK
29		0.005	0.230	2.28	OK
30		0.005	0.230	2.09	OK
31		0.003	0.230	1.33	OK
32		0.005	0.230	2.10	OK
33		0.004	0.230	1.90	OK
34		0.003	0.230	1.12	OK
35		0.003	0.230	1.35	OK
36		0.003	0.230	1.16	OK
37		0.003	0.230	1.46	OK
38		0.002	0.230	1.00	OK
39		0.003	0.230	1.22	OK
40		0.009	0.230	3.71	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:17:27

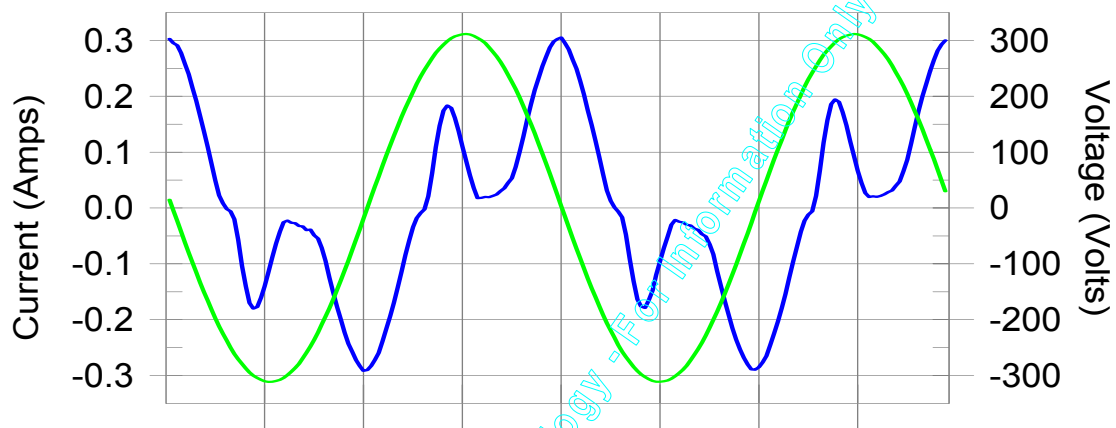
Start time: 10:15:06

Data file name: H-000358.cts\_data

Test Result: Pass

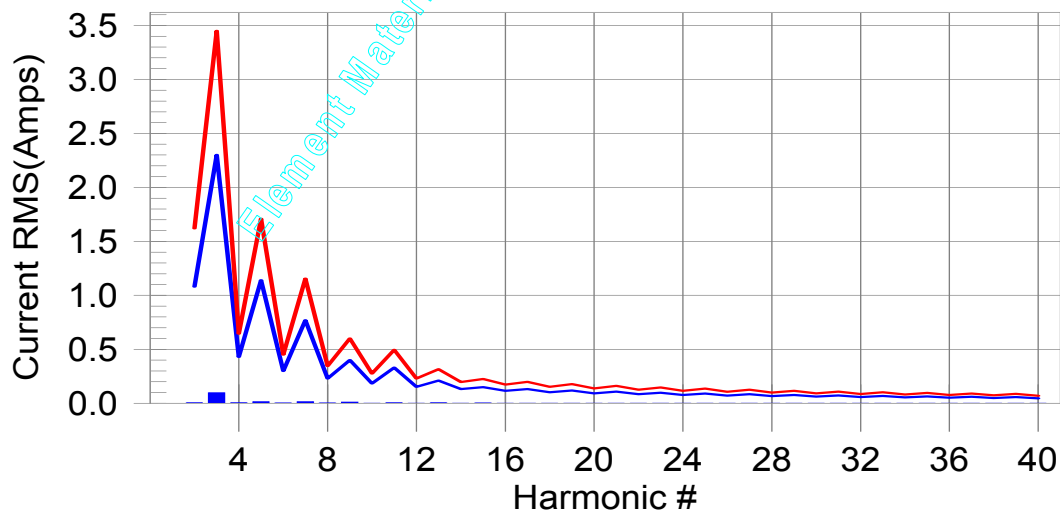
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.08% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:15:06  
End time: 10:17:27  
Data file name: H-000358.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.10 I-THD(%): 74.59 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 220.15  
I\_Peak (Amps): 0.308  
I\_Fund (Amps): 0.131  
Power (Watts): 13.0

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.167  
Crest Factor: 1.934  
Power Factor: 0.370

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.29	Pass
3	0.094	2.300	4.1	0.098	3.450	2.83	Pass
4	0.003	0.430	0.6	0.003	0.645	0.50	Pass
5	0.013	1.140	1.2	0.014	1.710	0.83	Pass
6	0.002	0.300	0.7	0.003	0.450	0.59	Pass
7	0.014	0.770	1.9	0.015	1.155	1.31	Pass
8	0.002	0.230	0.7	0.002	0.345	0.63	Pass
9	0.010	0.400	2.5	0.010	0.600	1.73	Pass
10	0.001	0.184	0.7	0.002	0.276	0.59	Pass
11	0.004	0.330	1.1	0.004	0.495	0.81	Pass
12	0.001	0.153	0.6	0.001	0.230	0.44	Pass
13	0.004	0.210	1.9	0.004	0.315	1.38	Pass
14	0.001	0.131	0.5	0.001	0.197	0.35	Pass
15	0.002	0.150	1.5	0.002	0.225	1.07	Pass
16	0.000	0.115	0.4	0.001	0.173	0.30	Pass
17	0.002	0.132	1.3	0.002	0.199	0.92	Pass
18	0.000	0.102	0.4	0.000	0.153	0.29	Pass
19	0.001	0.118	0.6	0.001	0.178	0.47	Pass
20	0.000	0.092	0.3	0.000	0.138	0.24	Pass
21	0.001	0.107	1.0	0.001	0.161	0.76	Pass
22	0.000	0.084	0.3	0.000	0.125	0.22	Pass
23	0.001	0.098	0.7	0.001	0.147	0.48	Pass
24	0.000	0.077	0.3	0.000	0.115	0.22	Pass
25	0.000	0.090	0.5	0.000	0.135	0.35	Pass
26	0.000	0.071	0.3	0.000	0.106	0.21	Pass
27	0.000	0.083	0.4	0.000	0.125	0.35	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.5	0.000	0.116	0.39	Pass
30	0.000	0.061	0.3	0.000	0.092	0.22	Pass
31	0.000	0.073	0.4	0.000	0.109	0.27	Pass
32	0.000	0.058	0.4	0.000	0.086	0.29	Pass
33	0.000	0.068	0.4	0.000	0.102	0.31	Pass
34	0.000	0.054	0.3	0.000	0.081	0.20	Pass
35	0.000	0.064	0.3	0.000	0.096	0.25	Pass
36	0.000	0.051	0.2	0.000	0.077	0.17	Pass
37	0.000	0.061	0.3	0.000	0.091	0.22	Pass
38	0.000	0.048	0.2	0.000	0.073	0.19	Pass
39	0.000	0.058	0.3	0.000	0.087	0.24	Pass
40	0.000	0.046	0.2	0.000	0.069	0.16	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:15:06  
End time: 10:17:27  
Data file name: H-000358.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	220.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.308	I_RMS (Amps):	0.167
I_Fund (Amps):	0.131	Crest Factor:	1.934
Power (Watts):	13.0	Power Factor:	0.370

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.158	0.440	35.92	OK
3		0.460	1.980	23.22	OK
4		0.059	0.440	13.36	OK
5		0.057	0.880	6.44	OK
6		0.031	0.440	7.08	OK
7		0.046	0.660	6.99	OK
8		0.023	0.440	5.15	OK
9		0.020	0.440	4.62	OK
10		0.022	0.440	4.93	OK
11		0.030	0.220	13.76	OK
12		0.018	0.220	8.04	OK
13		0.024	0.220	10.73	OK
14		0.012	0.220	5.68	OK
15		0.010	0.220	4.66	OK
16		0.016	0.220	7.16	OK
17		0.009	0.220	3.96	OK
18		0.015	0.220	6.62	OK
19		0.009	0.220	4.26	OK
20		0.013	0.220	5.80	OK
21		0.010	0.220	4.39	OK
22		0.006	0.220	2.78	OK
23		0.006	0.220	2.93	OK
24		0.007	0.220	3.09	OK
25		0.008	0.220	3.76	OK
26		0.010	0.220	4.39	OK
27		0.007	0.220	3.14	OK
28		0.005	0.220	2.47	OK
29		0.007	0.220	3.23	OK
30		0.006	0.220	2.53	OK
31		0.005	0.220	2.33	OK
32		0.005	0.220	2.45	OK
33		0.006	0.220	2.69	OK
34		0.002	0.220	1.13	OK
35		0.005	0.220	2.11	OK
36		0.003	0.220	1.52	OK
37		0.004	0.220	2.02	OK
38		0.002	0.220	1.06	OK
39		0.004	0.220	1.71	OK
40		0.009	0.220	3.94	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 8

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:13:38

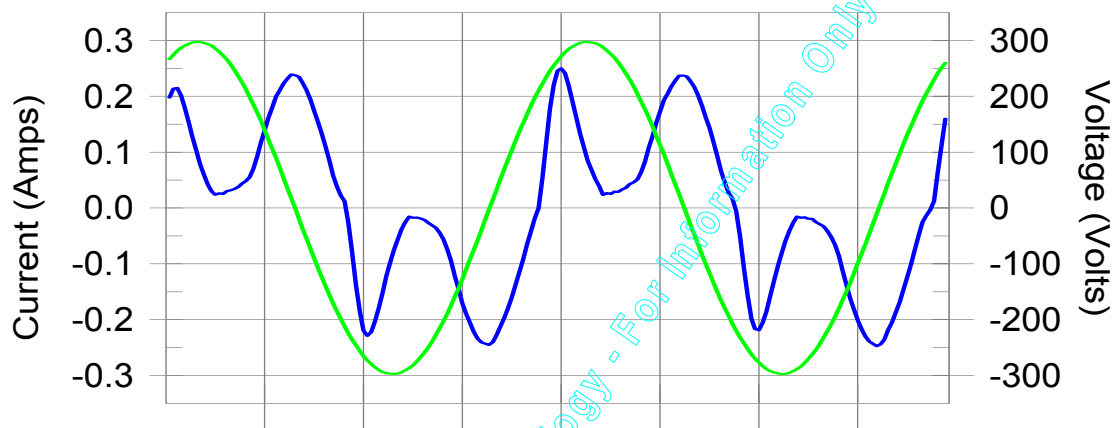
Start time: 10:11:16

Data file name: H-000357.cts\_data

Test Result: Pass

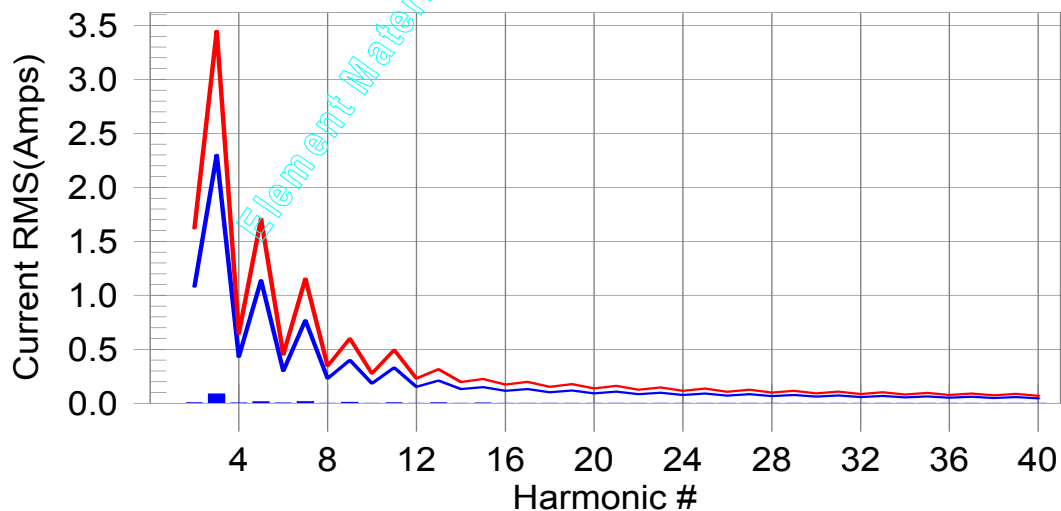
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.66% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 10:11:16 End time: 10:13:38  
Test duration (min): 2 Data file name: H-000357.cts\_data  
Comment: Sample 8  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.09 I-THD(%): 82.87 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 210.16 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.256 I\_RMS (Amps): 0.143  
I\_Fund (Amps): 0.108 Crest Factor: 1.888  
Power (Watts): 12.4 Power Factor: 0.438

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.084	2.300	3.7	0.087	3.450	2.52	Pass
4	0.003	0.430	0.6	0.003	0.645	0.48	Pass
5	0.013	1.140	1.2	0.015	1.710	0.85	Pass
6	0.002	0.300	0.7	0.003	0.450	0.56	Pass
7	0.015	0.770	2.0	0.016	1.155	1.38	Pass
8	0.002	0.230	0.8	0.002	0.345	0.58	Pass
9	0.009	0.400	2.4	0.010	0.600	1.63	Pass
10	0.001	0.184	0.7	0.002	0.276	0.55	Pass
11	0.004	0.330	1.3	0.005	0.495	0.94	Pass
12	0.001	0.153	0.6	0.001	0.230	0.45	Pass
13	0.004	0.210	1.9	0.004	0.315	1.34	Pass
14	0.001	0.131	0.5	0.001	0.197	0.35	Pass
15	0.002	0.150	1.5	0.002	0.225	1.08	Pass
16	0.000	0.115	0.4	0.001	0.173	0.31	Pass
17	0.001	0.132	1.1	0.002	0.199	0.78	Pass
18	0.000	0.102	0.4	0.000	0.153	0.28	Pass
19	0.001	0.118	0.9	0.001	0.178	0.67	Pass
20	0.000	0.092	0.3	0.000	0.138	0.25	Pass
21	0.001	0.107	0.9	0.001	0.161	0.64	Pass
22	0.000	0.084	0.3	0.000	0.125	0.22	Pass
23	0.000	0.098	0.5	0.001	0.147	0.34	Pass
24	0.000	0.077	0.3	0.000	0.115	0.22	Pass
25	0.000	0.090	0.4	0.000	0.135	0.33	Pass
26	0.000	0.071	0.3	0.000	0.106	0.20	Pass
27	0.000	0.083	0.5	0.000	0.125	0.38	Pass
28	0.000	0.066	0.4	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.32	Pass
30	0.000	0.061	0.3	0.000	0.092	0.20	Pass
31	0.000	0.073	0.3	0.000	0.109	0.25	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.3	0.000	0.102	0.28	Pass
34	0.000	0.054	0.2	0.000	0.081	0.18	Pass
35	0.000	0.064	0.3	0.000	0.096	0.23	Pass
36	0.000	0.051	0.2	0.000	0.077	0.18	Pass
37	0.000	0.061	0.3	0.000	0.091	0.23	Pass
38	0.000	0.048	0.2	0.000	0.073	0.17	Pass
39	0.000	0.058	0.3	0.000	0.087	0.24	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 8  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:11:16  
End time: 10:13:38  
Data file name: H-000357.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	210.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.256	I_RMS (Amps):	0.143
I_Fund (Amps):	0.108	Crest Factor:	1.888
Power (Watts):	12.4	Power Factor:	0.438

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.151	0.420	35.92	OK
3		0.415	1.891	21.95	OK
4		0.059	0.420	13.99	OK
5		0.055	0.841	6.60	OK
6		0.028	0.420	6.77	OK
7		0.045	0.630	7.12	OK
8		0.021	0.420	5.01	OK
9		0.018	0.420	4.26	OK
10		0.019	0.420	4.50	OK
11		0.027	0.210	12.64	OK
12		0.016	0.210	7.65	OK
13		0.018	0.210	8.77	OK
14		0.013	0.210	6.07	OK
15		0.009	0.210	4.32	OK
16		0.015	0.210	7.14	OK
17		0.009	0.210	4.25	OK
18		0.010	0.210	4.77	OK
19		0.008	0.210	3.59	OK
20		0.009	0.210	4.38	OK
21		0.008	0.210	3.70	OK
22		0.007	0.210	3.14	OK
23		0.005	0.210	2.50	OK
24		0.006	0.210	2.84	OK
25		0.007	0.210	3.24	OK
26		0.008	0.210	3.81	OK
27		0.006	0.210	2.66	OK
28		0.006	0.210	2.73	OK
29		0.005	0.210	2.61	OK
30		0.005	0.210	2.16	OK
31		0.004	0.210	1.83	OK
32		0.004	0.210	2.08	OK
33		0.005	0.210	2.35	OK
34		0.002	0.210	1.12	OK
35		0.004	0.210	1.68	OK
36		0.002	0.210	1.17	OK
37		0.003	0.210	1.56	OK
38		0.003	0.210	1.26	OK
39		0.003	0.210	1.35	OK
40		0.008	0.210	4.01	OK



## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:08:48

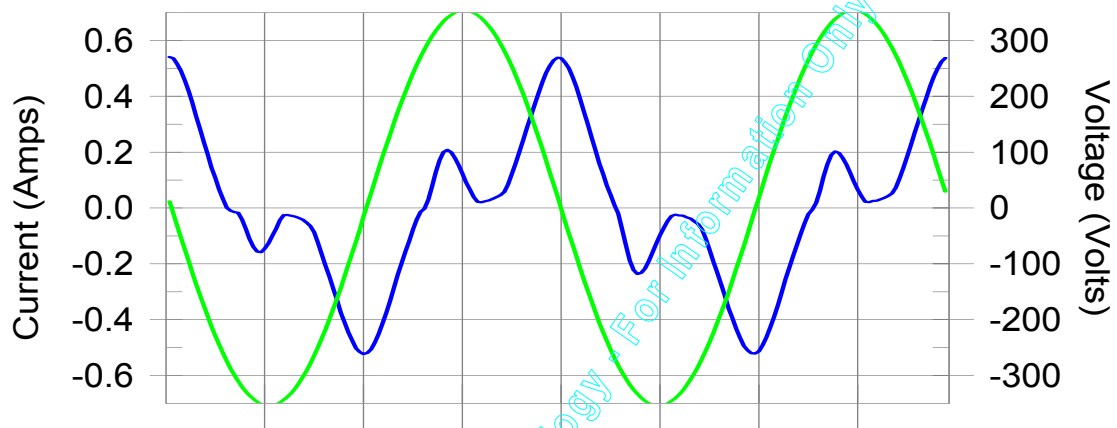
Start time: 10:06:27

Data file name: H-000356.cts\_data

Test Result: Pass

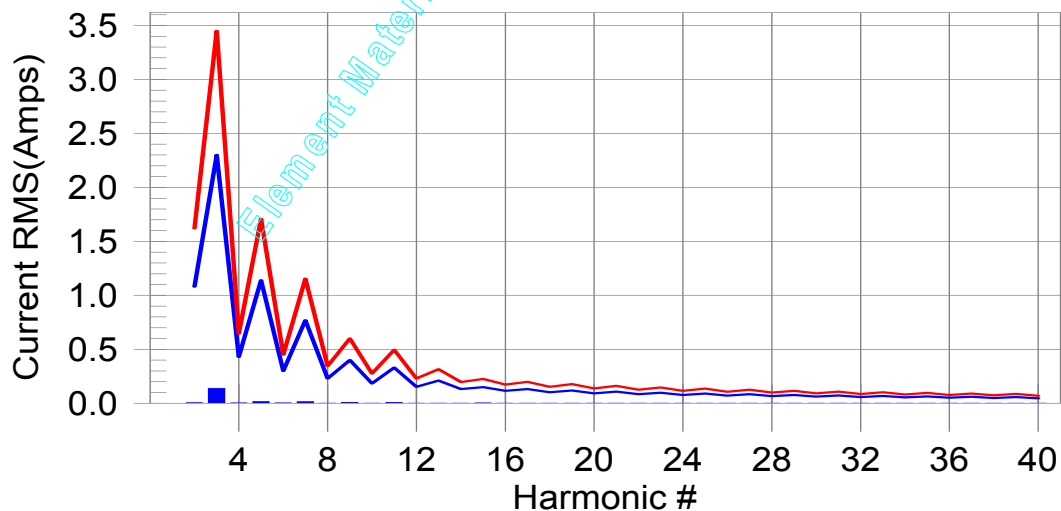
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.94% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:06:27  
End time: 10:08:48  
Data file name: H-000356.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.14 I-THD(%): 60.27 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 250.14  
I\_Peak (Amps): 0.541  
I\_Fund (Amps): 0.234  
Power (Watts): 14.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.274  
Crest Factor: 2.010  
Power Factor: 0.231

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.137	2.300	5.9	0.138	3.450	4.01	Pass
4	0.002	0.430	0.6	0.003	0.645	0.43	Pass
5	0.015	1.140	1.3	0.016	1.710	0.91	Pass
6	0.002	0.300	0.6	0.002	0.450	0.47	Pass
7	0.014	0.770	1.9	0.015	1.155	1.28	Pass
8	0.002	0.230	0.7	0.002	0.345	0.51	Pass
9	0.009	0.400	2.2	0.009	0.600	1.47	Pass
10	0.001	0.184	0.6	0.001	0.276	0.49	Pass
11	0.006	0.330	1.9	0.007	0.495	1.35	Pass
12	0.001	0.153	0.5	0.001	0.230	0.44	Pass
13	0.002	0.210	0.8	0.002	0.315	0.61	Pass
14	0.001	0.131	0.4	0.001	0.197	0.37	Pass
15	0.003	0.150	2.0	0.003	0.225	1.38	Pass
16	0.000	0.115	0.4	0.001	0.173	0.37	Pass
17	0.002	0.132	1.5	0.002	0.199	1.03	Pass
18	0.000	0.102	0.4	0.001	0.153	0.35	Pass
19	0.001	0.118	1.1	0.001	0.178	0.75	Pass
20	0.000	0.092	0.3	0.000	0.138	0.33	Pass
21	0.001	0.107	0.7	0.001	0.161	0.53	Pass
22	0.000	0.084	0.3	0.000	0.125	0.31	Pass
23	0.001	0.098	0.8	0.001	0.147	0.59	Pass
24	0.000	0.077	0.3	0.000	0.115	0.32	Pass
25	0.001	0.090	1.0	0.001	0.135	0.71	Pass
26	0.000	0.071	0.3	0.000	0.106	0.29	Pass
27	0.000	0.083	0.4	0.000	0.125	0.34	Pass
28	0.000	0.066	0.3	0.000	0.099	0.31	Pass
29	0.000	0.078	0.6	0.000	0.116	0.42	Pass
30	0.000	0.061	0.4	0.000	0.092	0.32	Pass
31	0.000	0.073	0.5	0.000	0.109	0.39	Pass
32	0.000	0.058	0.4	0.000	0.086	0.32	Pass
33	0.000	0.068	0.4	0.000	0.102	0.34	Pass
34	0.000	0.054	0.3	0.000	0.081	0.30	Pass
35	0.000	0.064	0.3	0.000	0.096	0.25	Pass
36	0.000	0.051	0.3	0.000	0.077	0.26	Pass
37	0.000	0.061	0.4	0.000	0.091	0.34	Pass
38	0.000	0.048	0.3	0.000	0.073	0.27	Pass
39	0.000	0.058	0.5	0.000	0.087	0.35	Pass
40	0.000	0.046	0.2	0.000	0.069	0.23	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:06:27  
End time: 10:08:48  
Data file name: H-000356.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 250.14  
I\_Peak (Amps): 0.541  
I\_Fund (Amps): 0.234  
Power (Watts): 14.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.274  
Crest Factor: 2.010  
Power Factor: 0.231

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.167	0.500	33.40	OK
3		0.511	2.250	22.73	OK
4		0.053	0.500	10.52	OK
5		0.059	1.001	5.92	OK
6		0.024	0.500	4.85	OK
7		0.040	0.750	5.28	OK
8		0.014	0.500	2.86	OK
9		0.026	0.500	5.10	OK
10		0.021	0.500	4.21	OK
11		0.019	0.250	7.70	OK
12		0.014	0.250	5.46	OK
13		0.022	0.250	8.74	OK
14		0.008	0.250	3.17	OK
15		0.011	0.250	4.36	OK
16		0.010	0.250	4.05	OK
17		0.008	0.250	3.39	OK
18		0.014	0.250	5.79	OK
19		0.006	0.250	2.22	OK
20		0.015	0.250	6.03	OK
21		0.006	0.250	2.29	OK
22		0.010	0.250	3.80	OK
23		0.005	0.250	1.97	OK
24		0.004	0.250	1.68	OK
25		0.008	0.250	3.11	OK
26		0.007	0.250	2.82	OK
27		0.004	0.250	1.51	OK
28		0.006	0.250	2.48	OK
29		0.005	0.250	1.97	OK
30		0.006	0.250	2.29	OK
31		0.004	0.250	1.79	OK
32		0.006	0.250	2.24	OK
33		0.004	0.250	1.67	OK
34		0.002	0.250	0.95	OK
35		0.002	0.250	0.95	OK
36		0.003	0.250	1.02	OK
37		0.003	0.250	1.28	OK
38		0.003	0.250	1.25	OK
39		0.003	0.250	1.12	OK
40		0.009	0.250	3.56	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

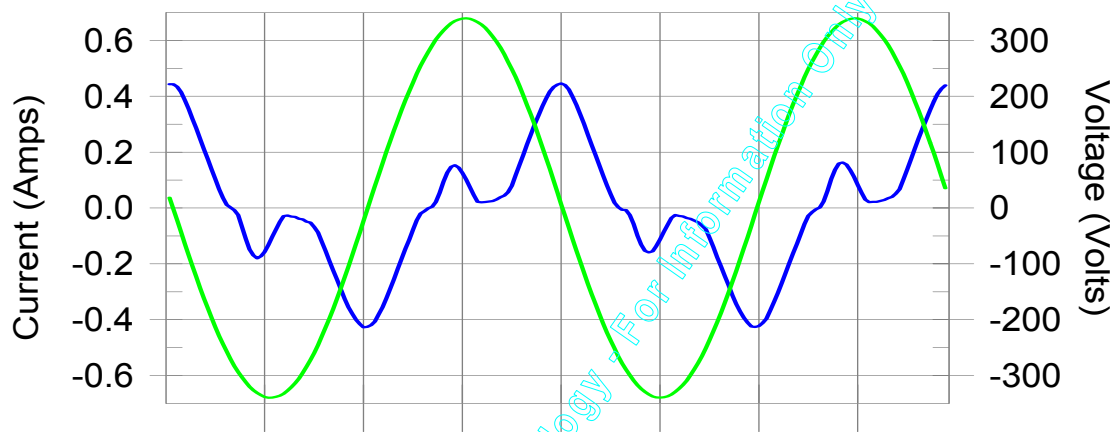
End time: 10:04:59

Start time: 10:02:38  
Data file name: H-000355.cts\_data

Test Result: Pass

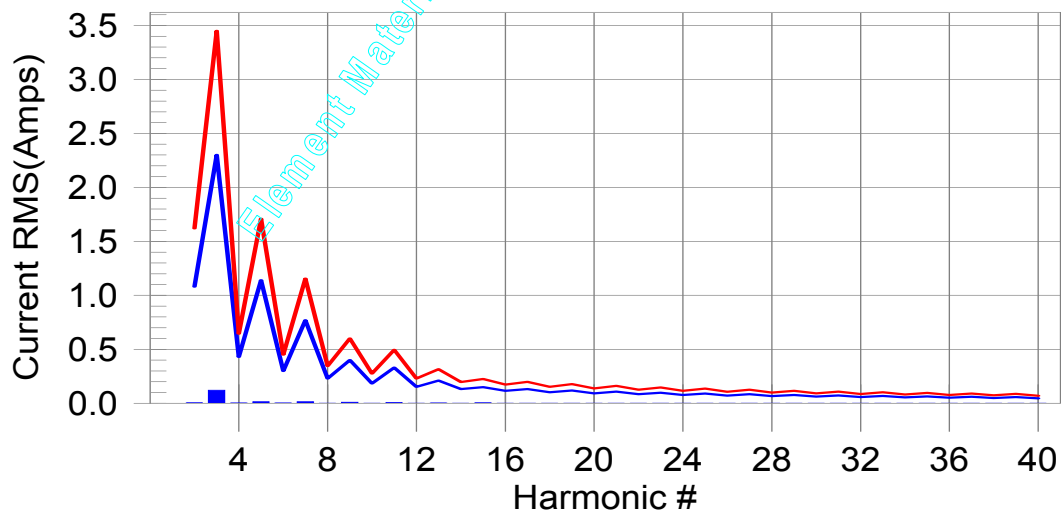
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.18% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:02:38  
End time: 10:04:59  
Data file name: H-000355.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.12 I-THD(%): 63.79 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 240.15  
I\_Peak (Amps): 0.449  
I\_Fund (Amps): 0.194  
Power (Watts): 14.2

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.231  
Crest Factor: 1.983  
Power Factor: 0.269

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.119	2.300	5.2	0.122	3.450	3.53	Pass
4	0.002	0.430	0.6	0.003	0.645	0.44	Pass
5	0.014	1.140	1.2	0.014	1.710	0.82	Pass
6	0.002	0.300	0.6	0.002	0.450	0.49	Pass
7	0.014	0.770	1.8	0.014	1.155	1.24	Pass
8	0.002	0.230	0.7	0.002	0.345	0.53	Pass
9	0.010	0.400	2.4	0.010	0.600	1.62	Pass
10	0.001	0.184	0.6	0.001	0.276	0.50	Pass
11	0.006	0.330	1.7	0.006	0.495	1.20	Pass
12	0.001	0.153	0.5	0.001	0.230	0.40	Pass
13	0.002	0.210	1.1	0.003	0.315	0.83	Pass
14	0.001	0.131	0.4	0.001	0.197	0.30	Pass
15	0.003	0.150	2.1	0.003	0.225	1.40	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.002	0.132	1.1	0.002	0.199	0.78	Pass
18	0.000	0.102	0.4	0.000	0.153	0.27	Pass
19	0.001	0.118	1.2	0.001	0.178	0.80	Pass
20	0.000	0.092	0.3	0.000	0.138	0.22	Pass
21	0.001	0.107	0.5	0.001	0.161	0.39	Pass
22	0.000	0.084	0.3	0.000	0.125	0.19	Pass
23	0.001	0.098	1.1	0.001	0.147	0.77	Pass
24	0.000	0.077	0.3	0.000	0.115	0.21	Pass
25	0.001	0.090	0.7	0.001	0.135	0.50	Pass
26	0.000	0.071	0.3	0.000	0.106	0.20	Pass
27	0.000	0.083	0.4	0.000	0.125	0.31	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.5	0.000	0.116	0.38	Pass
30	0.000	0.061	0.3	0.000	0.092	0.24	Pass
31	0.000	0.073	0.5	0.000	0.109	0.34	Pass
32	0.000	0.058	0.4	0.000	0.086	0.28	Pass
33	0.000	0.068	0.4	0.000	0.102	0.29	Pass
34	0.000	0.054	0.3	0.000	0.081	0.21	Pass
35	0.000	0.064	0.4	0.000	0.096	0.26	Pass
36	0.000	0.051	0.2	0.000	0.077	0.18	Pass
37	0.000	0.061	0.5	0.000	0.091	0.35	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.3	0.000	0.087	0.24	Pass
40	0.000	0.046	0.2	0.000	0.069	0.16	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 10:02:38  
End time: 10:04:59  
Data file name: H-000355.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	240.15	Frequency(Hz):	50.00
I_Peak (Amps):	0.449	I_RMS (Amps):	0.231
I_Fund (Amps):	0.194	Crest Factor:	1.983
Power (Watts):	14.2	Power Factor:	0.269

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.170	0.480	35.38	OK
3		0.530	2.160	24.51	OK
4		0.055	0.480	11.49	OK
5		0.061	0.960	6.33	OK
6		0.029	0.480	6.03	OK
7		0.040	0.720	5.62	OK
8		0.017	0.480	3.46	OK
9		0.024	0.480	4.98	OK
10		0.023	0.480	4.70	OK
11		0.023	0.240	9.64	OK
12		0.014	0.240	5.85	OK
13		0.023	0.240	9.54	OK
14		0.008	0.240	3.30	OK
15		0.010	0.240	4.15	OK
16		0.013	0.240	5.59	OK
17		0.009	0.240	3.56	OK
18		0.014	0.240	5.73	OK
19		0.007	0.240	2.84	OK
20		0.015	0.240	6.27	OK
21		0.007	0.240	2.91	OK
22		0.007	0.240	3.08	OK
23		0.006	0.240	2.29	OK
24		0.004	0.240	1.85	OK
25		0.006	0.240	2.63	OK
26		0.008	0.240	3.36	OK
27		0.005	0.240	2.14	OK
28		0.006	0.240	2.69	OK
29		0.006	0.240	2.49	OK
30		0.006	0.240	2.48	OK
31		0.004	0.240	1.71	OK
32		0.005	0.240	1.89	OK
33		0.005	0.240	1.88	OK
34		0.002	0.240	1.02	OK
35		0.003	0.240	1.42	OK
36		0.003	0.240	1.43	OK
37		0.003	0.240	1.36	OK
38		0.002	0.240	1.03	OK
39		0.003	0.240	1.29	OK
40		0.009	0.240	3.61	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 10:01:31

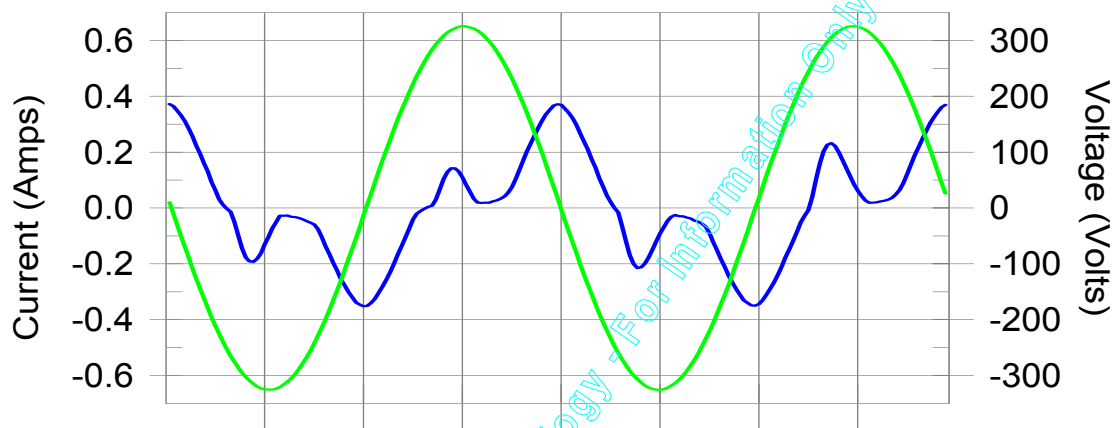
Start time: 09:59:10

Data file name: H-000354.cts\_data

Test Result: Pass

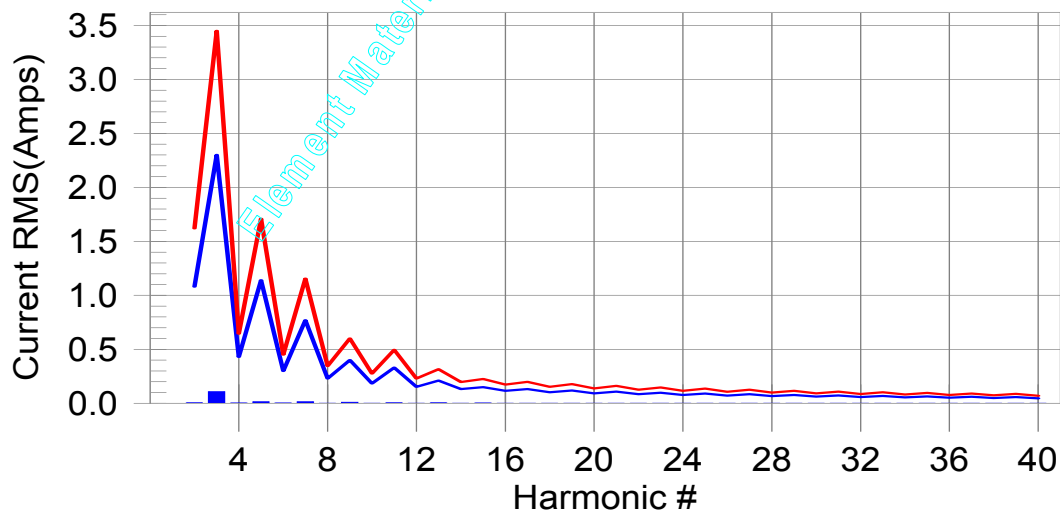
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.55% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 09:59:10 End time: 10:01:31  
Test duration (min): 2 Data file name: H-000354.cts\_data  
Comment: Sample 4  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.11 I-THD(%): 68.26 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 230.16 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.372 I\_RMS (Amps): 0.195  
I\_Fund (Amps): 0.160 Crest Factor: 1.985  
Power (Watts): 13.2 Power Factor: 0.316

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.28	Pass
3	0.105	2.300	4.5	0.108	3.450	3.12	Pass
4	0.003	0.430	0.6	0.003	0.645	0.46	Pass
5	0.013	1.140	1.2	0.014	1.710	0.80	Pass
6	0.002	0.300	0.6	0.002	0.450	0.51	Pass
7	0.014	0.770	1.8	0.014	1.155	1.24	Pass
8	0.002	0.230	0.7	0.002	0.345	0.54	Pass
9	0.010	0.400	2.5	0.010	0.600	1.72	Pass
10	0.001	0.184	0.7	0.001	0.276	0.53	Pass
11	0.005	0.330	1.4	0.005	0.495	1.00	Pass
12	0.001	0.153	0.6	0.001	0.230	0.47	Pass
13	0.003	0.210	1.6	0.004	0.315	1.17	Pass
14	0.001	0.131	0.5	0.001	0.197	0.44	Pass
15	0.003	0.150	1.8	0.003	0.225	1.25	Pass
16	0.000	0.115	0.4	0.001	0.173	0.40	Pass
17	0.002	0.132	1.2	0.002	0.199	0.86	Pass
18	0.000	0.102	0.4	0.001	0.153	0.41	Pass
19	0.001	0.118	1.0	0.001	0.178	0.71	Pass
20	0.000	0.092	0.3	0.001	0.138	0.37	Pass
21	0.001	0.107	0.8	0.001	0.161	0.60	Pass
22	0.000	0.084	0.3	0.000	0.125	0.38	Pass
23	0.001	0.098	1.0	0.001	0.147	0.71	Pass
24	0.000	0.077	0.3	0.000	0.115	0.36	Pass
25	0.000	0.090	0.4	0.001	0.135	0.38	Pass
26	0.000	0.071	0.3	0.000	0.106	0.35	Pass
27	0.000	0.083	0.5	0.001	0.125	0.40	Pass
28	0.000	0.066	0.4	0.000	0.099	0.36	Pass
29	0.000	0.078	0.5	0.000	0.116	0.37	Pass
30	0.000	0.061	0.4	0.000	0.092	0.34	Pass
31	0.000	0.073	0.5	0.000	0.109	0.38	Pass
32	0.000	0.058	0.4	0.000	0.086	0.37	Pass
33	0.000	0.068	0.4	0.000	0.102	0.33	Pass
34	0.000	0.054	0.3	0.000	0.081	0.33	Pass
35	0.000	0.064	0.4	0.000	0.096	0.35	Pass
36	0.000	0.051	0.3	0.000	0.077	0.31	Pass
37	0.000	0.061	0.4	0.000	0.091	0.33	Pass
38	0.000	0.048	0.3	0.000	0.073	0.30	Pass
39	0.000	0.058	0.3	0.000	0.087	0.29	Pass
40	0.000	0.046	0.3	0.000	0.069	0.27	Pass



### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:59:10  
End time: 10:01:31  
Data file name: H-000354.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	230.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.372	I_RMS (Amps):	0.195
I_Fund (Amps):	0.160	Crest Factor:	1.985
Power (Watts):	13.2	Power Factor:	0.316

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.167	0.460	36.32	OK
3		0.500	2.070	24.18	OK
4		0.058	0.460	12.59	OK
5		0.058	0.921	6.35	OK
6		0.030	0.460	6.56	OK
7		0.042	0.690	6.12	OK
8		0.020	0.460	4.27	OK
9		0.021	0.460	4.60	OK
10		0.022	0.460	4.81	OK
11		0.028	0.230	12.09	OK
12		0.016	0.230	6.95	OK
13		0.024	0.230	10.22	OK
14		0.010	0.230	4.27	OK
15		0.010	0.230	4.29	OK
16		0.014	0.230	6.29	OK
17		0.009	0.230	3.72	OK
18		0.014	0.230	6.02	OK
19		0.007	0.230	3.18	OK
20		0.013	0.230	5.70	OK
21		0.009	0.230	4.01	OK
22		0.006	0.230	2.64	OK
23		0.005	0.230	2.25	OK
24		0.005	0.230	2.30	OK
25		0.007	0.230	2.92	OK
26		0.009	0.230	3.77	OK
27		0.006	0.230	2.67	OK
28		0.006	0.230	2.80	OK
29		0.006	0.230	2.47	OK
30		0.005	0.230	2.12	OK
31		0.004	0.230	1.71	OK
32		0.005	0.230	2.13	OK
33		0.005	0.230	2.07	OK
34		0.003	0.230	1.16	OK
35		0.003	0.230	1.50	OK
36		0.003	0.230	1.17	OK
37		0.004	0.230	1.66	OK
38		0.002	0.230	0.99	OK
39		0.003	0.230	1.50	OK
40		0.009	0.230	3.77	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:57:21

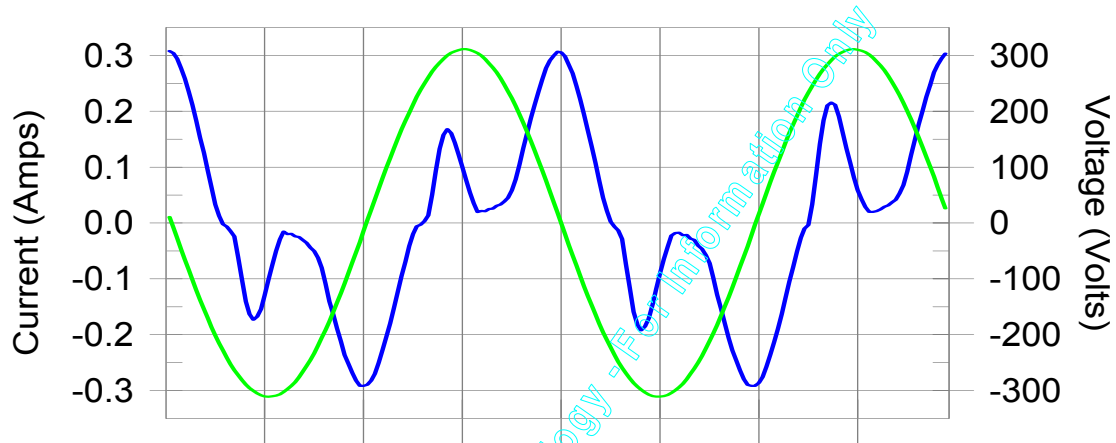
Start time: 09:55:00

Data file name: H-000353.cts\_data

Test Result: Pass

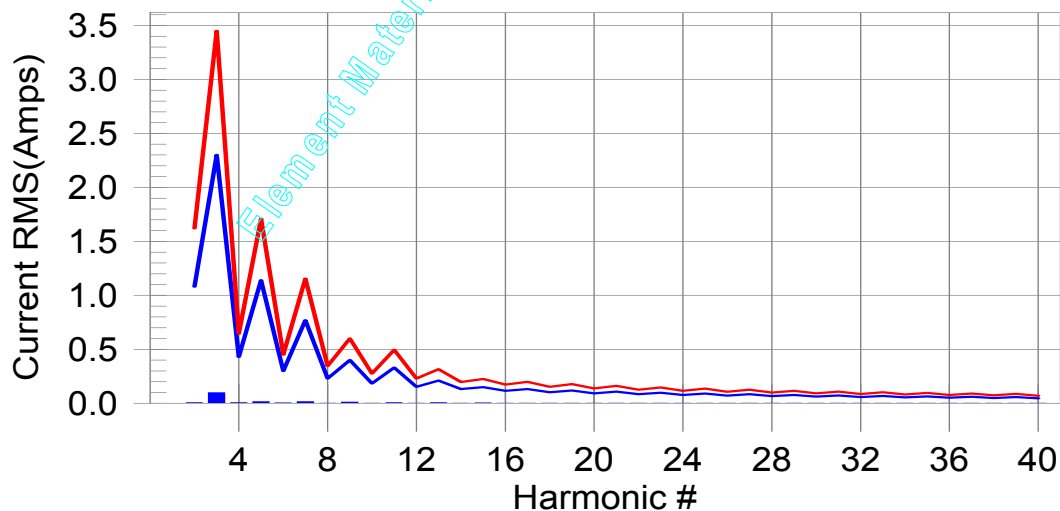
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.05% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:55:00  
End time: 09:57:21  
Data file name: H-000353.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.10 I-THD(%): 74.70 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 220.16  
I\_Peak (Amps): 0.308  
I\_Fund (Amps): 0.131  
Power (Watts): 12.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.166  
Crest Factor: 1.921  
Power Factor: 0.378

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.093	2.300	4.1	0.097	3.450	2.81	Pass
4	0.003	0.430	0.6	0.003	0.645	0.48	Pass
5	0.013	1.140	1.2	0.014	1.710	0.81	Pass
6	0.002	0.300	0.7	0.003	0.450	0.56	Pass
7	0.014	0.770	1.9	0.015	1.155	1.31	Pass
8	0.002	0.230	0.7	0.002	0.345	0.59	Pass
9	0.010	0.400	2.6	0.010	0.600	1.75	Pass
10	0.001	0.184	0.7	0.002	0.276	0.56	Pass
11	0.004	0.330	1.2	0.004	0.495	0.83	Pass
12	0.001	0.153	0.6	0.001	0.230	0.46	Pass
13	0.004	0.210	1.9	0.004	0.315	1.37	Pass
14	0.001	0.131	0.5	0.001	0.197	0.39	Pass
15	0.002	0.150	1.5	0.002	0.225	1.02	Pass
16	0.000	0.115	0.4	0.001	0.173	0.34	Pass
17	0.002	0.132	1.3	0.002	0.199	0.91	Pass
18	0.000	0.102	0.4	0.000	0.153	0.30	Pass
19	0.001	0.118	0.6	0.001	0.178	0.46	Pass
20	0.000	0.092	0.3	0.000	0.138	0.25	Pass
21	0.001	0.107	1.0	0.001	0.161	0.74	Pass
22	0.000	0.084	0.3	0.000	0.125	0.23	Pass
23	0.001	0.098	0.7	0.001	0.147	0.50	Pass
24	0.000	0.077	0.3	0.000	0.115	0.23	Pass
25	0.000	0.090	0.4	0.000	0.135	0.35	Pass
26	0.000	0.071	0.3	0.000	0.106	0.24	Pass
27	0.000	0.083	0.4	0.000	0.125	0.33	Pass
28	0.000	0.066	0.4	0.000	0.099	0.27	Pass
29	0.000	0.078	0.5	0.000	0.116	0.38	Pass
30	0.000	0.061	0.3	0.000	0.092	0.25	Pass
31	0.000	0.073	0.4	0.000	0.109	0.30	Pass
32	0.000	0.058	0.4	0.000	0.086	0.30	Pass
33	0.000	0.068	0.4	0.000	0.102	0.29	Pass
34	0.000	0.054	0.3	0.000	0.081	0.23	Pass
35	0.000	0.064	0.3	0.000	0.096	0.26	Pass
36	0.000	0.051	0.2	0.000	0.077	0.22	Pass
37	0.000	0.061	0.3	0.000	0.091	0.23	Pass
38	0.000	0.048	0.2	0.000	0.073	0.22	Pass
39	0.000	0.058	0.3	0.000	0.087	0.26	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:55:00  
End time: 09:57:21  
Data file name: H-000353.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 220.16  
I\_Peak (Amps): 0.308  
I\_Fund (Amps): 0.131  
Power (Watts): 12.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.166  
Crest Factor: 1.921  
Power Factor: 0.378

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.159	0.440	36.18	OK
3		0.452	1.980	22.85	OK
4		0.058	0.440	13.18	OK
5		0.056	0.880	6.36	OK
6		0.029	0.440	6.49	OK
7		0.044	0.660	6.65	OK
8		0.022	0.440	4.94	OK
9		0.018	0.440	4.16	OK
10		0.021	0.440	4.81	OK
11		0.029	0.220	13.00	OK
12		0.018	0.220	8.00	OK
13		0.024	0.220	10.68	OK
14		0.011	0.220	5.11	OK
15		0.009	0.220	4.08	OK
16		0.015	0.220	6.88	OK
17		0.008	0.220	3.56	OK
18		0.013	0.220	6.02	OK
19		0.008	0.220	3.84	OK
20		0.011	0.220	5.06	OK
21		0.009	0.220	4.09	OK
22		0.006	0.220	2.63	OK
23		0.007	0.220	3.06	OK
24		0.007	0.220	3.18	OK
25		0.009	0.220	3.99	OK
26		0.009	0.220	3.98	OK
27		0.006	0.220	2.95	OK
28		0.005	0.220	2.38	OK
29		0.007	0.220	3.02	OK
30		0.005	0.220	2.29	OK
31		0.004	0.220	1.93	OK
32		0.005	0.220	2.31	OK
33		0.005	0.220	2.25	OK
34		0.002	0.220	1.03	OK
35		0.005	0.220	2.08	OK
36		0.003	0.220	1.30	OK
37		0.005	0.220	2.07	OK
38		0.002	0.220	1.02	OK
39		0.004	0.220	1.74	OK
40		0.009	0.220	3.98	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 4

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:51:53

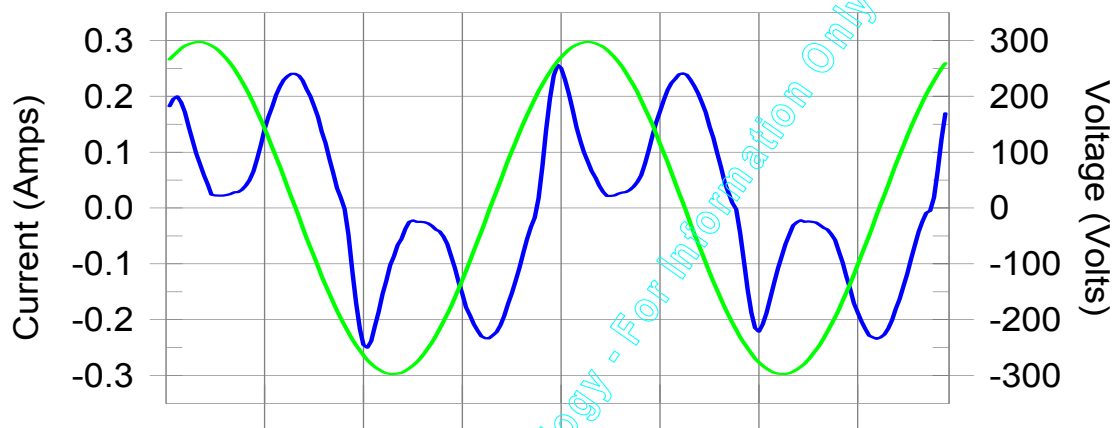
Start time: 09:49:31

Data file name: H-000352.cts\_data

Test Result: Pass

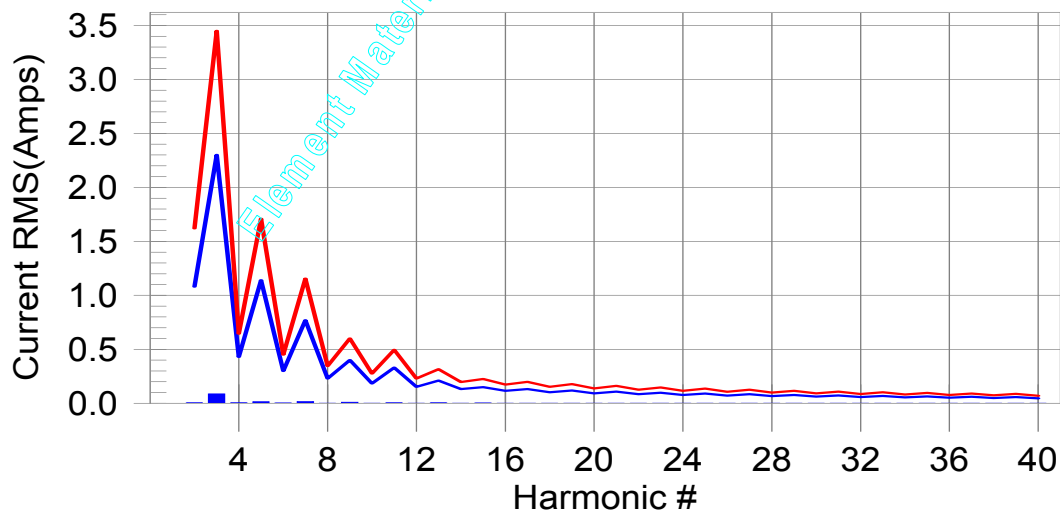
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.60% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
 Test date: 17/08/2017 Start time: 09:49:31 End time: 09:51:53  
 Test duration (min): 2 Data file name: H-000352.cts\_data  
 Comment: Sample 4  
 Customer: AGD

Test Result: Pass Source qualification: Normal  
 THC(A): 0.09 I-THD(%): 81.77 POHC(A): 0.000 POHC Limit(A): 0.251  
 Highest parameter values during test:

V\_RMS (Volts): 210.16 Frequency(Hz): 50.00  
 I\_Peak (Amps): 0.259 I\_RMS (Amps): 0.141  
 I\_Fund (Amps): 0.107 Crest Factor: 1.916  
 Power (Watts): 12.2 Power Factor: 0.437

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.083	2.300	3.6	0.087	3.450	2.53	Pass
4	0.003	0.430	0.6	0.003	0.645	0.51	Pass
5	0.013	1.140	1.2	0.014	1.710	0.83	Pass
6	0.002	0.300	0.7	0.003	0.450	0.60	Pass
7	0.015	0.770	2.0	0.016	1.155	1.40	Pass
8	0.002	0.230	0.8	0.002	0.345	0.60	Pass
9	0.010	0.400	2.4	0.010	0.600	1.67	Pass
10	0.001	0.184	0.7	0.002	0.276	0.56	Pass
11	0.004	0.330	1.4	0.005	0.495	0.97	Pass
12	0.001	0.153	0.6	0.001	0.230	0.48	Pass
13	0.004	0.210	1.9	0.004	0.315	1.34	Pass
14	0.001	0.131	0.5	0.001	0.197	0.35	Pass
15	0.002	0.150	1.5	0.002	0.225	1.08	Pass
16	0.000	0.115	0.4	0.001	0.173	0.33	Pass
17	0.001	0.132	1.1	0.002	0.199	0.80	Pass
18	0.000	0.102	0.4	0.000	0.153	0.28	Pass
19	0.001	0.118	0.8	0.001	0.178	0.65	Pass
20	0.000	0.092	0.4	0.000	0.138	0.26	Pass
21	0.001	0.107	0.9	0.001	0.161	0.63	Pass
22	0.000	0.084	0.3	0.000	0.125	0.22	Pass
23	0.000	0.098	0.5	0.001	0.147	0.37	Pass
24	0.000	0.077	0.3	0.000	0.115	0.24	Pass
25	0.000	0.090	0.4	0.000	0.135	0.32	Pass
26	0.000	0.071	0.3	0.000	0.106	0.20	Pass
27	0.000	0.083	0.5	0.000	0.125	0.37	Pass
28	0.000	0.066	0.4	0.000	0.099	0.26	Pass
29	0.000	0.078	0.5	0.000	0.116	0.34	Pass
30	0.000	0.061	0.3	0.000	0.092	0.21	Pass
31	0.000	0.073	0.3	0.000	0.109	0.26	Pass
32	0.000	0.058	0.4	0.000	0.086	0.28	Pass
33	0.000	0.068	0.3	0.000	0.102	0.28	Pass
34	0.000	0.054	0.3	0.000	0.081	0.19	Pass
35	0.000	0.064	0.3	0.000	0.096	0.25	Pass
36	0.000	0.051	0.2	0.000	0.077	0.19	Pass
37	0.000	0.061	0.3	0.000	0.091	0.24	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.3	0.000	0.087	0.24	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 4  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:49:31  
End time: 09:51:53  
Data file name: H-000352.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	210.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.259	I_RMS (Amps):	0.141
I_Fund (Amps):	0.107	Crest Factor:	1.916
Power (Watts):	12.2	Power Factor:	0.437

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.152	0.420	36.27	OK
3		0.423	1.891	22.34	OK
4		0.061	0.420	14.49	OK
5		0.058	0.841	6.94	OK
6		0.029	0.420	6.85	OK
7		0.046	0.630	7.37	OK
8		0.021	0.420	5.11	OK
9		0.018	0.420	4.34	OK
10		0.020	0.420	4.82	OK
11		0.028	0.210	13.55	OK
12		0.018	0.210	8.50	OK
13		0.020	0.210	9.57	OK
14		0.014	0.210	6.52	OK
15		0.010	0.210	4.72	OK
16		0.016	0.210	7.73	OK
17		0.010	0.210	4.86	OK
18		0.012	0.210	5.71	OK
19		0.009	0.210	4.33	OK
20		0.011	0.210	5.17	OK
21		0.010	0.210	4.62	OK
22		0.007	0.210	3.23	OK
23		0.007	0.210	3.11	OK
24		0.007	0.210	3.21	OK
25		0.009	0.210	4.26	OK
26		0.009	0.210	4.12	OK
27		0.007	0.210	3.19	OK
28		0.006	0.210	2.71	OK
29		0.007	0.210	3.41	OK
30		0.005	0.210	2.48	OK
31		0.005	0.210	2.36	OK
32		0.005	0.210	2.48	OK
33		0.006	0.210	3.02	OK
34		0.003	0.210	1.26	OK
35		0.004	0.210	2.05	OK
36		0.003	0.210	1.29	OK
37		0.004	0.210	2.02	OK
38		0.003	0.210	1.30	OK
39		0.003	0.210	1.63	OK
40		0.009	0.210	4.31	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:45:45

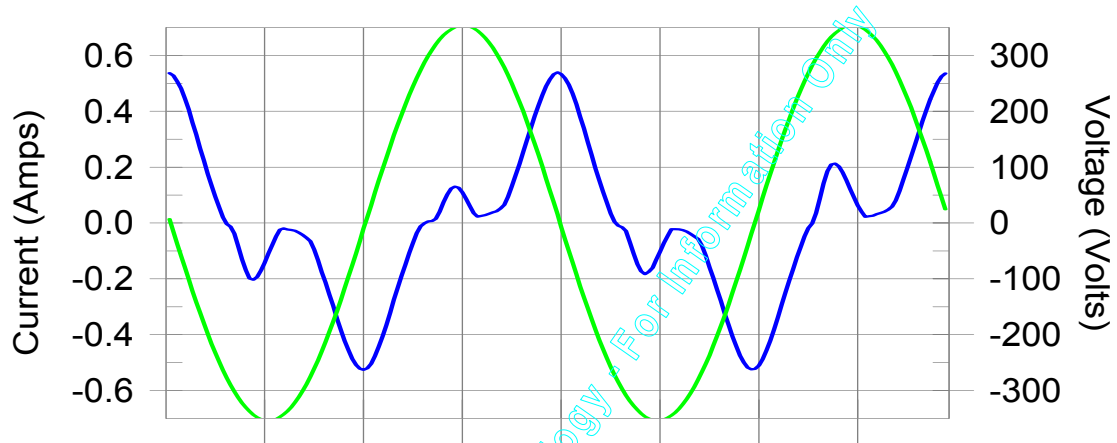
Start time: 09:43:24

Data file name: H-000351.cts\_data

Test Result: Pass

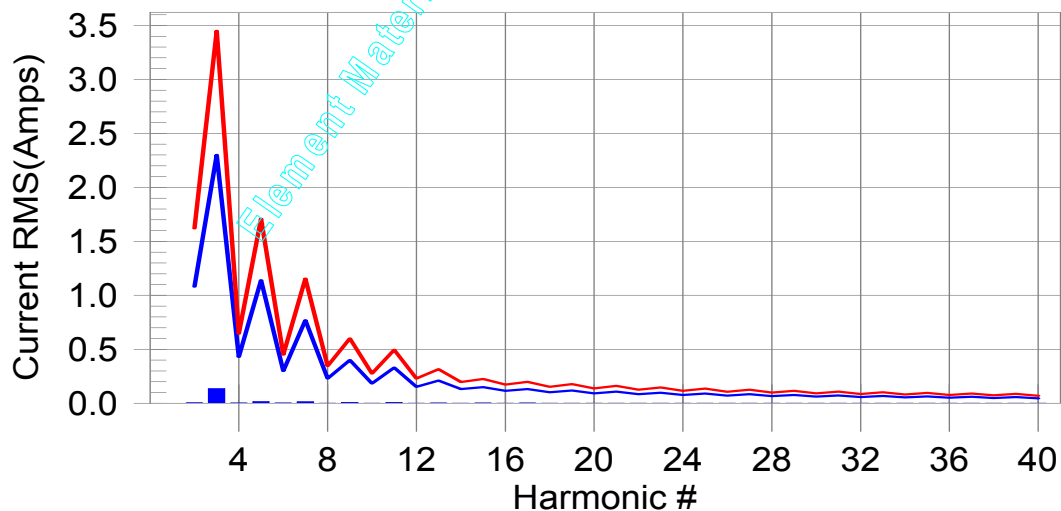
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.85% of the limit.



### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
 Test date: 17/08/2017 Start time: 09:43:24 End time: 09:45:45  
 Test duration (min): 2 Data file name: H-000351.cts\_data  
 Comment: Sample 6  
 Customer: AGD

Test Result: Pass Source qualification: Normal  
 THC(A): 0.14 I-THD(%): 59.36 POHC(A): 0.000 POHC Limit(A): 0.251  
 Highest parameter values during test:

V\_RMS (Volts): 250.16 Frequency(Hz): 50.00  
 I\_Peak (Amps): 0.541 I\_RMS (Amps): 0.273  
 I\_Fund (Amps): 0.234 Crest Factor: 2.005  
 Power (Watts): 14.6 Power Factor: 0.227

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.28	Pass
3	0.134	2.300	5.8	0.137	3.450	3.97	Pass
4	0.002	0.430	0.6	0.003	0.645	0.43	Pass
5	0.016	1.140	1.4	0.016	1.710	0.96	Pass
6	0.002	0.300	0.6	0.002	0.450	0.47	Pass
7	0.014	0.770	1.8	0.014	1.155	1.25	Pass
8	0.002	0.230	0.7	0.002	0.345	0.51	Pass
9	0.009	0.400	2.2	0.009	0.600	1.48	Pass
10	0.001	0.184	0.6	0.001	0.276	0.48	Pass
11	0.007	0.330	2.1	0.007	0.495	1.46	Pass
12	0.001	0.153	0.5	0.001	0.230	0.40	Pass
13	0.002	0.210	0.9	0.002	0.315	0.66	Pass
14	0.001	0.131	0.4	0.001	0.197	0.29	Pass
15	0.003	0.150	1.9	0.003	0.225	1.33	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.002	0.132	1.6	0.002	0.199	1.09	Pass
18	0.000	0.102	0.4	0.000	0.153	0.26	Pass
19	0.001	0.118	1.1	0.001	0.178	0.77	Pass
20	0.000	0.092	0.3	0.000	0.138	0.25	Pass
21	0.001	0.107	0.8	0.001	0.161	0.52	Pass
22	0.000	0.084	0.2	0.000	0.125	0.20	Pass
23	0.001	0.098	0.7	0.001	0.147	0.52	Pass
24	0.000	0.077	0.3	0.000	0.115	0.23	Pass
25	0.001	0.090	1.0	0.001	0.135	0.72	Pass
26	0.000	0.071	0.3	0.000	0.106	0.22	Pass
27	0.000	0.083	0.5	0.000	0.125	0.38	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.5	0.000	0.116	0.34	Pass
30	0.000	0.061	0.3	0.000	0.092	0.25	Pass
31	0.000	0.073	0.5	0.000	0.109	0.35	Pass
32	0.000	0.058	0.4	0.000	0.086	0.28	Pass
33	0.000	0.068	0.4	0.000	0.102	0.33	Pass
34	0.000	0.054	0.3	0.000	0.081	0.23	Pass
35	0.000	0.064	0.4	0.000	0.096	0.26	Pass
36	0.000	0.051	0.2	0.000	0.077	0.20	Pass
37	0.000	0.061	0.4	0.000	0.091	0.31	Pass
38	0.000	0.048	0.3	0.000	0.073	0.21	Pass
39	0.000	0.058	0.4	0.000	0.087	0.32	Pass
40	0.000	0.046	0.2	0.000	0.069	0.18	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:43:24  
End time: 09:45:45  
Data file name: H-000351.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	250.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.541	I_RMS (Amps):	0.273
I_Fund (Amps):	0.234	Crest Factor:	2.005
Power (Watts):	14.6	Power Factor:	0.227

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.185	0.500	36.94	OK
3		0.574	2.250	25.53	OK
4		0.058	0.500	11.60	OK
5		0.076	1.001	7.62	OK
6		0.031	0.500	6.20	OK
7		0.053	0.750	7.11	OK
8		0.017	0.500	3.31	OK
9		0.030	0.500	5.92	OK
10		0.028	0.500	5.63	OK
11		0.026	0.250	10.22	OK
12		0.019	0.250	7.44	OK
13		0.027	0.250	10.78	OK
14		0.009	0.250	3.55	OK
15		0.015	0.250	6.07	OK
16		0.011	0.250	4.46	OK
17		0.012	0.250	4.88	OK
18		0.017	0.250	6.92	OK
19		0.008	0.250	3.17	OK
20		0.016	0.250	6.31	OK
21		0.008	0.250	3.11	OK
22		0.010	0.250	3.82	OK
23		0.007	0.250	2.67	OK
24		0.006	0.250	2.27	OK
25		0.009	0.250	3.62	OK
26		0.008	0.250	3.23	OK
27		0.005	0.250	2.04	OK
28		0.006	0.250	2.50	OK
29		0.006	0.250	2.56	OK
30		0.006	0.250	2.49	OK
31		0.005	0.250	2.17	OK
32		0.006	0.250	2.47	OK
33		0.005	0.250	2.01	OK
34		0.003	0.250	1.08	OK
35		0.003	0.250	1.26	OK
36		0.003	0.250	1.14	OK
37		0.004	0.250	1.54	OK
38		0.003	0.250	1.32	OK
39		0.004	0.250	1.51	OK
40		0.009	0.250	3.52	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:42:21

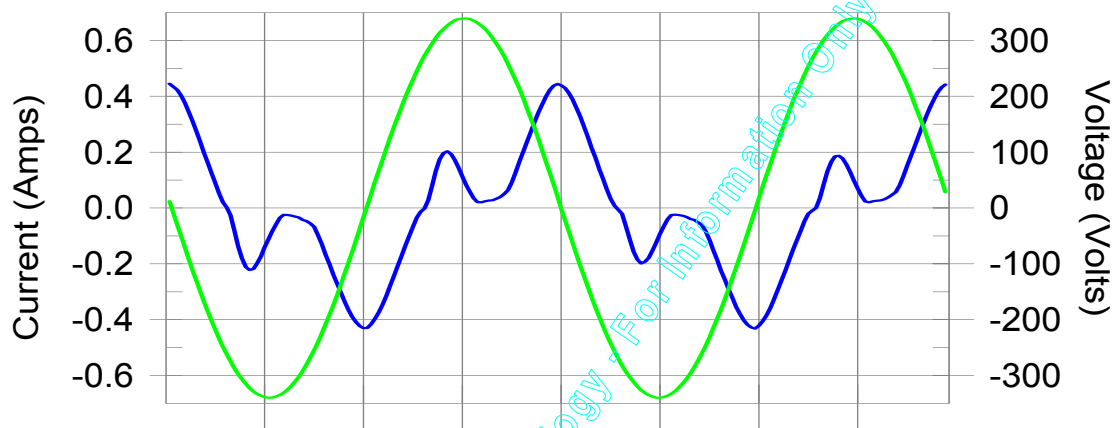
Start time: 09:39:59

Data file name: H-000350.cts\_data

Test Result: Pass

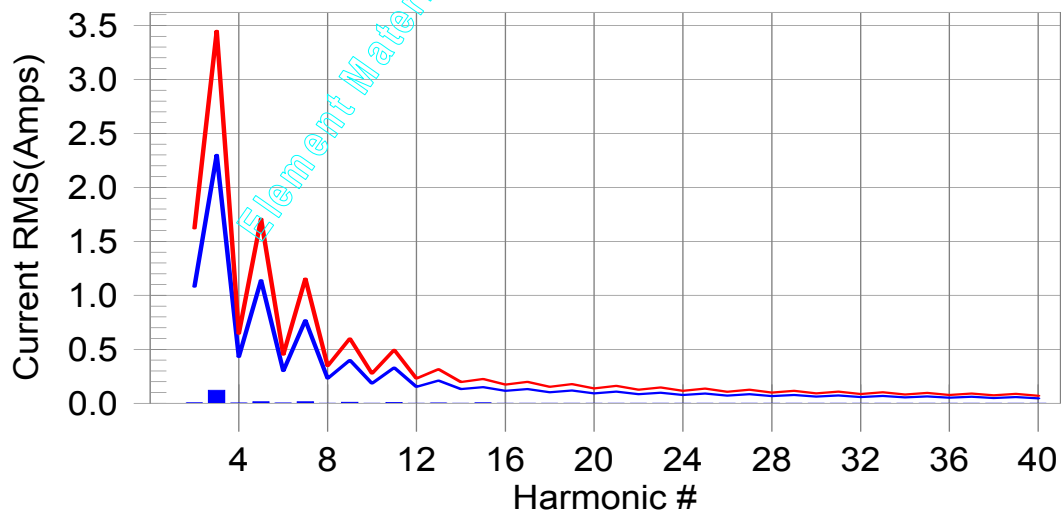
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.05% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:39:59  
End time: 09:42:21  
Data file name: H-000350.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.12 I-THD(%): 62.20 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 240.16  
I\_Peak (Amps): 0.448  
I\_Fund (Amps): 0.194  
Power (Watts): 13.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.230  
Crest Factor: 1.992  
Power Factor: 0.262

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.29	Pass
3	0.116	2.300	5.1	0.122	3.450	3.53	Pass
4	0.003	0.430	0.6	0.003	0.645	0.45	Pass
5	0.014	1.140	1.2	0.015	1.710	0.86	Pass
6	0.002	0.300	0.6	0.002	0.450	0.48	Pass
7	0.014	0.770	1.8	0.014	1.155	1.22	Pass
8	0.002	0.230	0.7	0.002	0.345	0.53	Pass
9	0.010	0.400	2.4	0.010	0.600	1.65	Pass
10	0.001	0.184	0.7	0.001	0.276	0.50	Pass
11	0.006	0.330	1.9	0.007	0.495	1.33	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.002	0.210	1.1	0.002	0.315	0.79	Pass
14	0.001	0.131	0.4	0.001	0.197	0.32	Pass
15	0.003	0.150	2.0	0.003	0.225	1.45	Pass
16	0.000	0.115	0.4	0.000	0.173	0.28	Pass
17	0.002	0.132	1.2	0.002	0.199	0.86	Pass
18	0.000	0.102	0.4	0.000	0.153	0.29	Pass
19	0.001	0.118	1.2	0.002	0.178	0.86	Pass
20	0.000	0.092	0.3	0.000	0.138	0.23	Pass
21	0.001	0.107	0.5	0.001	0.161	0.35	Pass
22	0.000	0.084	0.3	0.000	0.125	0.20	Pass
23	0.001	0.098	1.0	0.001	0.147	0.76	Pass
24	0.000	0.077	0.3	0.000	0.115	0.23	Pass
25	0.001	0.090	0.8	0.001	0.135	0.55	Pass
26	0.000	0.071	0.3	0.000	0.106	0.22	Pass
27	0.000	0.083	0.3	0.000	0.125	0.26	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.33	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.4	0.000	0.109	0.34	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.34	Pass
34	0.000	0.054	0.3	0.000	0.081	0.21	Pass
35	0.000	0.064	0.4	0.000	0.096	0.31	Pass
36	0.000	0.051	0.2	0.000	0.077	0.19	Pass
37	0.000	0.061	0.4	0.000	0.091	0.33	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.3	0.000	0.087	0.26	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:39:59  
End time: 09:42:21  
Data file name: H-000350.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	240.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.448	I_RMS (Amps):	0.230
I_Fund (Amps):	0.194	Crest Factor:	1.992
Power (Watts):	13.9	Power Factor:	0.262

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.173	0.480	36.12	OK
3		0.545	2.161	25.23	OK
4		0.061	0.480	12.69	OK
5		0.065	0.961	6.79	OK
6		0.033	0.480	6.79	OK
7		0.048	0.720	6.60	OK
8		0.018	0.480	3.73	OK
9		0.028	0.480	5.90	OK
10		0.028	0.480	5.86	OK
11		0.029	0.240	12.06	OK
12		0.018	0.240	7.61	OK
13		0.028	0.240	11.52	OK
14		0.009	0.240	3.88	OK
15		0.014	0.240	5.75	OK
16		0.015	0.240	6.27	OK
17		0.011	0.240	4.67	OK
18		0.017	0.240	7.27	OK
19		0.009	0.240	3.82	OK
20		0.017	0.240	7.00	OK
21		0.009	0.240	3.84	OK
22		0.008	0.240	3.13	OK
23		0.008	0.240	3.26	OK
24		0.006	0.240	2.43	OK
25		0.009	0.240	3.74	OK
26		0.009	0.240	3.95	OK
27		0.007	0.240	2.79	OK
28		0.007	0.240	2.82	OK
29		0.008	0.240	3.22	OK
30		0.007	0.240	2.76	OK
31		0.006	0.240	2.30	OK
32		0.005	0.240	2.24	OK
33		0.006	0.240	2.39	OK
34		0.003	0.240	1.34	OK
35		0.004	0.240	1.85	OK
36		0.004	0.240	1.48	OK
37		0.005	0.240	1.93	OK
38		0.003	0.240	1.19	OK
39		0.004	0.240	1.64	OK
40		0.009	0.240	3.73	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:38:42

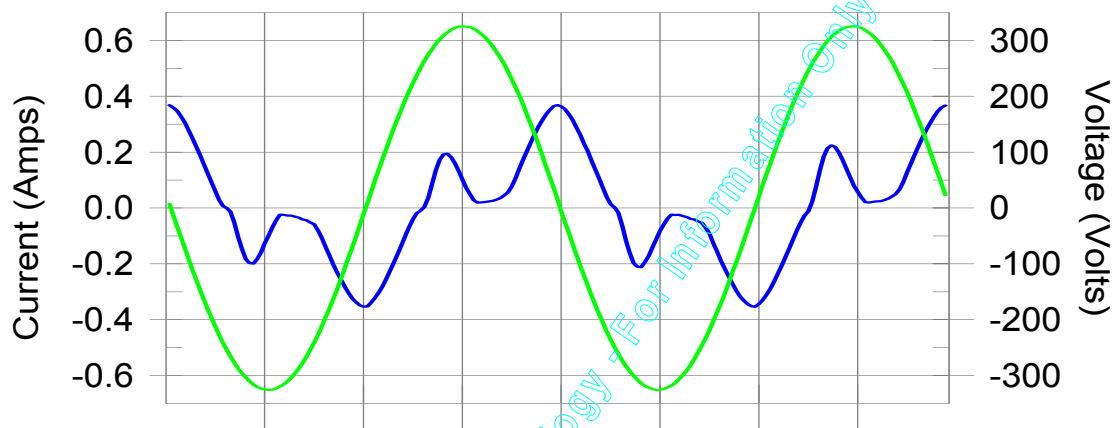
Start time: 09:36:21

Data file name: H-000349.cts\_data

Test Result: Pass

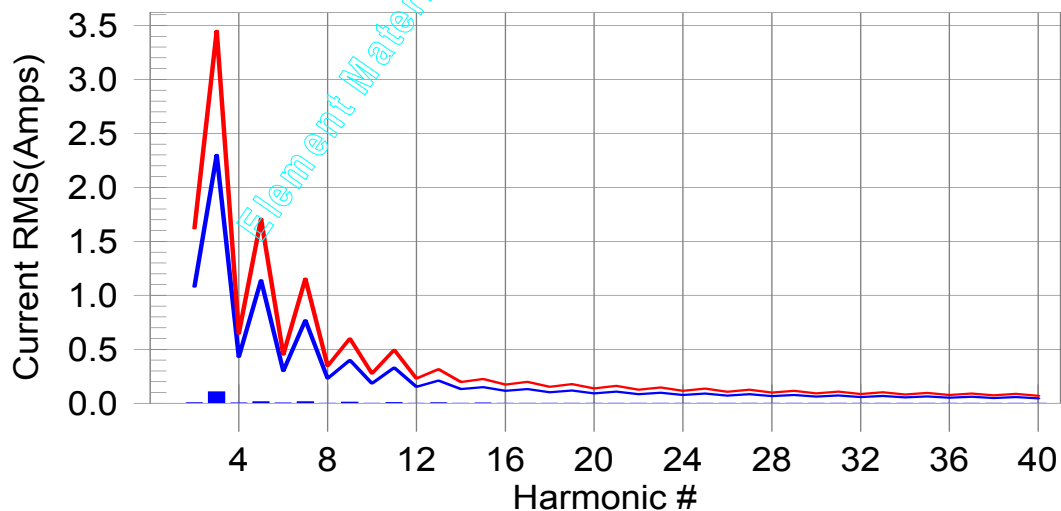
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.48% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 09:38:42  
Data file name: H-000349.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.11 I-THD(%): 67.36 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 230.16  
I\_Peak (Amps): 0.372  
I\_Fund (Amps): 0.160  
Power (Watts): 13.1

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.194  
Crest Factor: 1.975  
Power Factor: 0.309

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.103	2.300	4.5	0.107	3.450	3.10	Pass
4	0.003	0.430	0.6	0.003	0.645	0.48	Pass
5	0.013	1.140	1.2	0.014	1.710	0.81	Pass
6	0.002	0.300	0.7	0.002	0.450	0.53	Pass
7	0.014	0.770	1.8	0.014	1.155	1.25	Pass
8	0.002	0.230	0.8	0.002	0.345	0.58	Pass
9	0.011	0.400	2.7	0.011	0.600	1.80	Pass
10	0.001	0.184	0.7	0.002	0.276	0.55	Pass
11	0.005	0.330	1.6	0.006	0.495	1.13	Pass
12	0.001	0.153	0.6	0.001	0.230	0.42	Pass
13	0.003	0.210	1.5	0.003	0.315	1.10	Pass
14	0.001	0.131	0.5	0.001	0.197	0.34	Pass
15	0.003	0.150	1.8	0.003	0.225	1.22	Pass
16	0.000	0.115	0.4	0.000	0.173	0.29	Pass
17	0.002	0.132	1.2	0.002	0.199	0.86	Pass
18	0.000	0.102	0.4	0.000	0.153	0.29	Pass
19	0.001	0.118	1.0	0.001	0.178	0.70	Pass
20	0.000	0.092	0.3	0.000	0.138	0.24	Pass
21	0.001	0.107	0.7	0.001	0.161	0.54	Pass
22	0.000	0.084	0.3	0.000	0.125	0.23	Pass
23	0.001	0.098	1.0	0.001	0.147	0.69	Pass
24	0.000	0.077	0.3	0.000	0.115	0.22	Pass
25	0.000	0.090	0.5	0.000	0.135	0.33	Pass
26	0.000	0.071	0.3	0.000	0.106	0.23	Pass
27	0.000	0.083	0.4	0.000	0.125	0.30	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.30	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.5	0.000	0.109	0.35	Pass
32	0.000	0.058	0.4	0.000	0.086	0.28	Pass
33	0.000	0.068	0.4	0.000	0.102	0.30	Pass
34	0.000	0.054	0.3	0.000	0.081	0.21	Pass
35	0.000	0.064	0.4	0.000	0.096	0.26	Pass
36	0.000	0.051	0.2	0.000	0.077	0.19	Pass
37	0.000	0.061	0.3	0.000	0.091	0.24	Pass
38	0.000	0.048	0.2	0.000	0.073	0.18	Pass
39	0.000	0.058	0.3	0.000	0.087	0.21	Pass
40	0.000	0.046	0.2	0.000	0.069	0.17	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:36:21  
End time: 09:38:42  
Data file name: H-000349.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 230.16  
I\_Peak (Amps): 0.372  
I\_Fund (Amps): 0.160  
Power (Watts): 13.1

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.194  
Crest Factor: 1.975  
Power Factor: 0.309

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.163	0.460	35.46	OK
3		0.496	2.070	23.98	OK
4		0.060	0.460	13.01	OK
5		0.058	0.920	6.33	OK
6		0.031	0.460	6.82	OK
7		0.044	0.690	6.34	OK
8		0.020	0.460	4.37	OK
9		0.021	0.460	4.52	OK
10		0.022	0.460	4.77	OK
11		0.027	0.230	11.95	OK
12		0.016	0.230	6.74	OK
13		0.023	0.230	9.80	OK
14		0.010	0.230	4.23	OK
15		0.009	0.230	4.11	OK
16		0.015	0.230	6.31	OK
17		0.008	0.230	3.69	OK
18		0.014	0.230	6.13	OK
19		0.007	0.230	3.10	OK
20		0.014	0.230	5.93	OK
21		0.009	0.230	4.03	OK
22		0.006	0.230	2.65	OK
23		0.006	0.230	2.79	OK
24		0.005	0.230	2.20	OK
25		0.007	0.230	2.94	OK
26		0.009	0.230	3.72	OK
27		0.006	0.230	2.72	OK
28		0.007	0.230	2.91	OK
29		0.006	0.230	2.74	OK
30		0.005	0.230	2.05	OK
31		0.004	0.230	1.73	OK
32		0.005	0.230	2.15	OK
33		0.005	0.230	2.10	OK
34		0.003	0.230	1.23	OK
35		0.004	0.230	1.57	OK
36		0.003	0.230	1.19	OK
37		0.004	0.230	1.66	OK
38		0.002	0.230	1.07	OK
39		0.003	0.230	1.45	OK
40		0.009	0.230	3.79	OK



## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:35:31

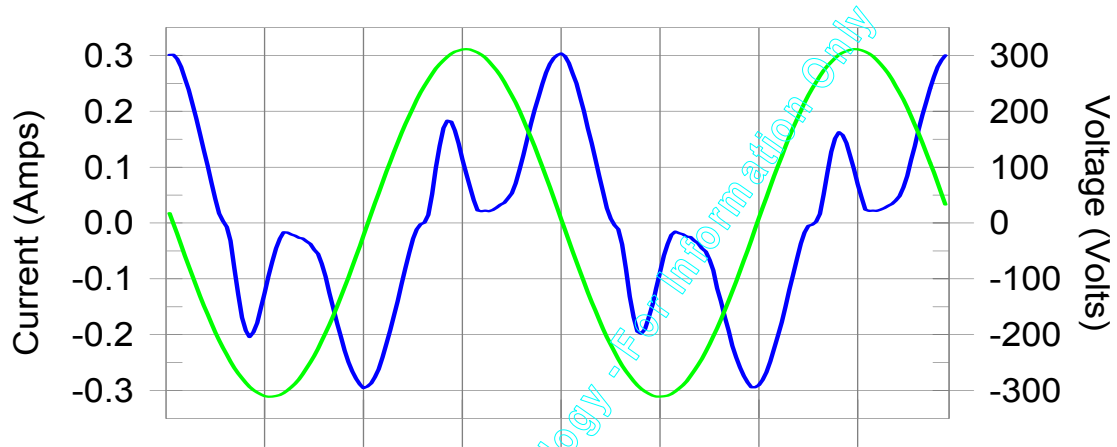
Start time: 09:33:10

Data file name: H-000348.cts\_data

Test Result: Pass

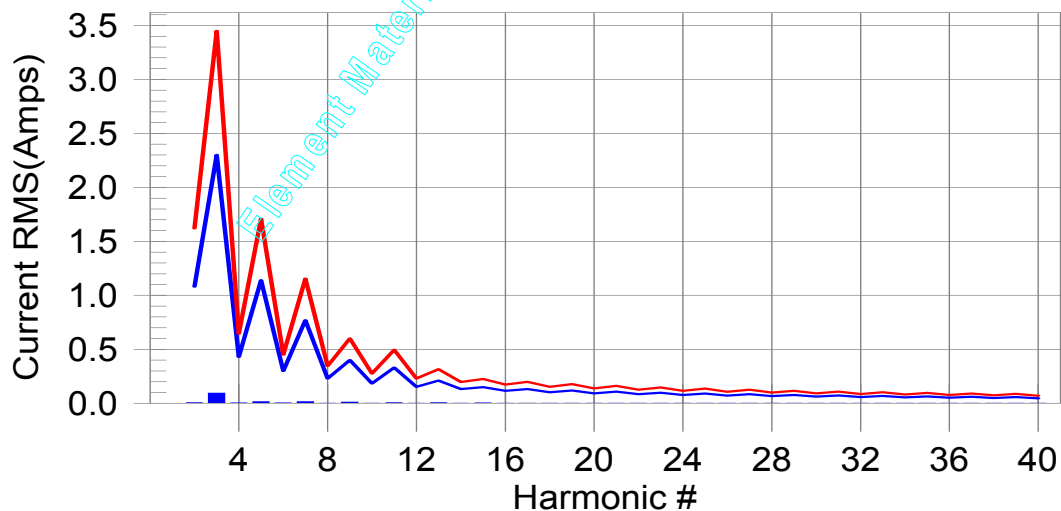
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.01% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
 Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
 Test date: 17/08/2017 Start time: 09:33:10 End time: 09:35:31  
 Test duration (min): 2 Data file name: H-000348.cts\_data  
 Comment: Sample 6  
 Customer: AGD

Test Result: Pass Source qualification: Normal  
 THC(A): 0.09 I-THD(%): 73.95 POHC(A): 0.000 POHC Limit(A): 0.251  
 Highest parameter values during test:

V\_RMS (Volts): 220.16 Frequency(Hz): 50.00  
 I\_Peak (Amps): 0.306 I\_RMS (Amps): 0.165  
 I\_Fund (Amps): 0.131 Crest Factor: 1.946  
 Power (Watts): 12.5 Power Factor: 0.360

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.28	Pass
3	0.092	2.300	4.0	0.095	3.450	2.76	Pass
4	0.003	0.430	0.6	0.003	0.645	0.48	Pass
5	0.013	1.140	1.1	0.014	1.710	0.80	Pass
6	0.002	0.300	0.7	0.003	0.450	0.56	Pass
7	0.014	0.770	1.9	0.015	1.155	1.31	Pass
8	0.002	0.230	0.8	0.002	0.345	0.60	Pass
9	0.011	0.400	2.7	0.011	0.600	1.83	Pass
10	0.001	0.184	0.7	0.002	0.276	0.57	Pass
11	0.004	0.330	1.2	0.004	0.495	0.90	Pass
12	0.001	0.153	0.6	0.001	0.230	0.48	Pass
13	0.004	0.210	1.9	0.004	0.315	1.33	Pass
14	0.001	0.131	0.5	0.001	0.197	0.43	Pass
15	0.002	0.150	1.5	0.002	0.225	1.04	Pass
16	0.000	0.115	0.4	0.001	0.173	0.38	Pass
17	0.002	0.132	1.4	0.002	0.199	0.96	Pass
18	0.000	0.102	0.4	0.001	0.153	0.36	Pass
19	0.001	0.118	0.6	0.001	0.178	0.47	Pass
20	0.000	0.092	0.3	0.000	0.138	0.33	Pass
21	0.001	0.107	0.9	0.001	0.161	0.70	Pass
22	0.000	0.084	0.3	0.000	0.125	0.33	Pass
23	0.001	0.098	0.7	0.001	0.147	0.51	Pass
24	0.000	0.077	0.3	0.000	0.115	0.31	Pass
25	0.000	0.090	0.4	0.000	0.135	0.35	Pass
26	0.000	0.071	0.3	0.000	0.106	0.30	Pass
27	0.000	0.083	0.4	0.000	0.125	0.33	Pass
28	0.000	0.066	0.4	0.000	0.099	0.32	Pass
29	0.000	0.078	0.5	0.000	0.116	0.38	Pass
30	0.000	0.061	0.3	0.000	0.092	0.30	Pass
31	0.000	0.073	0.4	0.000	0.109	0.32	Pass
32	0.000	0.058	0.4	0.000	0.086	0.33	Pass
33	0.000	0.068	0.4	0.000	0.102	0.30	Pass
34	0.000	0.054	0.3	0.000	0.081	0.29	Pass
35	0.000	0.064	0.3	0.000	0.096	0.26	Pass
36	0.000	0.051	0.3	0.000	0.077	0.27	Pass
37	0.000	0.061	0.3	0.000	0.091	0.27	Pass
38	0.000	0.048	0.3	0.000	0.073	0.28	Pass
39	0.000	0.058	0.4	0.000	0.087	0.29	Pass
40	0.000	0.046	0.2	0.000	0.069	0.24	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:33:10  
End time: 09:35:31  
Data file name: H-000348.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	220.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.306	I_RMS (Amps):	0.165
I_Fund (Amps):	0.131	Crest Factor:	1.946
Power (Watts):	12.5	Power Factor:	0.360

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.159	0.440	36.13	OK
3		0.460	1.980	23.22	OK
4		0.059	0.440	13.47	OK
5		0.061	0.880	6.89	OK
6		0.030	0.440	6.78	OK
7		0.046	0.660	7.03	OK
8		0.021	0.440	4.81	OK
9		0.018	0.440	4.02	OK
10		0.021	0.440	4.71	OK
11		0.029	0.220	13.37	OK
12		0.018	0.220	8.14	OK
13		0.024	0.220	10.76	OK
14		0.013	0.220	5.70	OK
15		0.010	0.220	4.49	OK
16		0.015	0.220	7.00	OK
17		0.008	0.220	3.81	OK
18		0.014	0.220	6.28	OK
19		0.009	0.220	4.14	OK
20		0.011	0.220	5.16	OK
21		0.009	0.220	4.28	OK
22		0.006	0.220	2.64	OK
23		0.007	0.220	3.13	OK
24		0.006	0.220	2.83	OK
25		0.008	0.220	3.68	OK
26		0.009	0.220	4.23	OK
27		0.006	0.220	2.74	OK
28		0.005	0.220	2.49	OK
29		0.007	0.220	3.08	OK
30		0.005	0.220	2.48	OK
31		0.005	0.220	2.13	OK
32		0.005	0.220	2.42	OK
33		0.005	0.220	2.30	OK
34		0.002	0.220	0.97	OK
35		0.004	0.220	1.92	OK
36		0.003	0.220	1.43	OK
37		0.004	0.220	1.78	OK
38		0.002	0.220	1.08	OK
39		0.004	0.220	1.61	OK
40		0.009	0.220	4.12	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 6

Customer: AGD

Tested by: DS

Test Margin: 100

Start time: 09:28:53

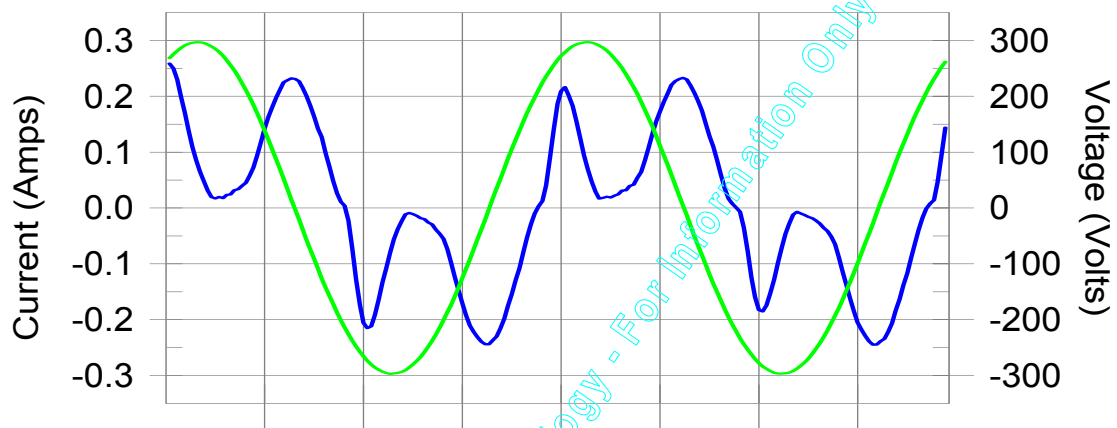
End time: 09:31:15

Data file name: H-000347.cts\_data

Test Result: Pass

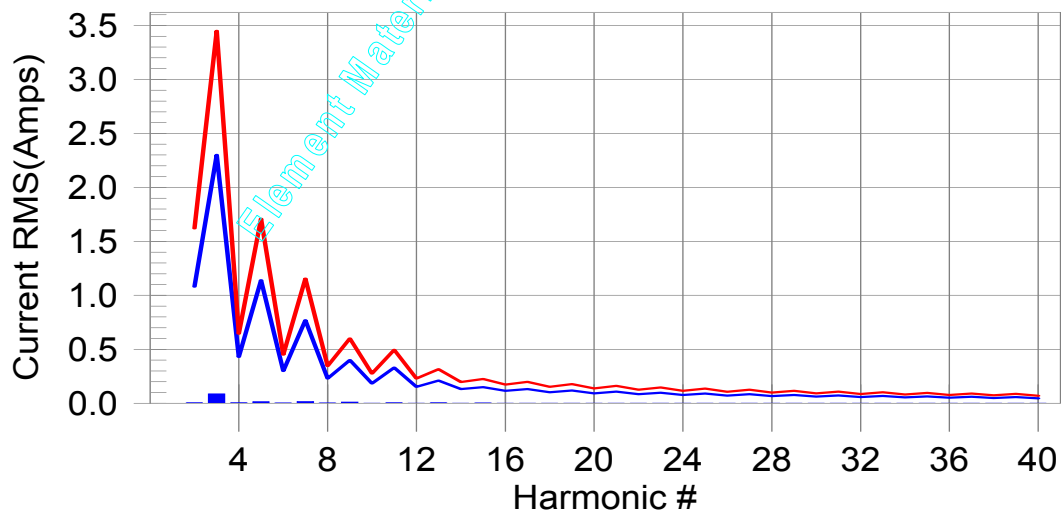
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.57% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
End time: 09:31:15  
Data file name: H-000347.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.09 I-THD(%): 81.73 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 210.17  
I\_Peak (Amps): 0.259  
I\_Fund (Amps): 0.107  
Power (Watts): 11.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.141  
Crest Factor: 1.906  
Power Factor: 0.422

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.26	Pass
3	0.082	2.300	3.6	0.086	3.450	2.50	Pass
4	0.003	0.430	0.6	0.003	0.645	0.50	Pass
5	0.013	1.140	1.1	0.014	1.710	0.81	Pass
6	0.002	0.300	0.7	0.003	0.450	0.57	Pass
7	0.016	0.770	2.0	0.016	1.155	1.41	Pass
8	0.002	0.230	0.8	0.002	0.345	0.62	Pass
9	0.010	0.400	2.6	0.010	0.600	1.74	Pass
10	0.001	0.184	0.8	0.002	0.276	0.60	Pass
11	0.004	0.330	1.3	0.005	0.495	0.94	Pass
12	0.001	0.153	0.7	0.001	0.230	0.55	Pass
13	0.004	0.210	1.9	0.004	0.315	1.31	Pass
14	0.001	0.131	0.5	0.001	0.197	0.48	Pass
15	0.002	0.150	1.5	0.002	0.225	1.08	Pass
16	0.001	0.115	0.5	0.001	0.173	0.45	Pass
17	0.002	0.132	1.2	0.002	0.199	0.84	Pass
18	0.000	0.102	0.4	0.001	0.153	0.42	Pass
19	0.001	0.118	0.7	0.001	0.178	0.57	Pass
20	0.000	0.092	0.4	0.001	0.138	0.40	Pass
21	0.001	0.107	0.8	0.001	0.161	0.61	Pass
22	0.000	0.084	0.3	0.000	0.125	0.38	Pass
23	0.001	0.098	0.5	0.001	0.147	0.42	Pass
24	0.000	0.077	0.4	0.000	0.115	0.36	Pass
25	0.000	0.090	0.4	0.001	0.135	0.37	Pass
26	0.000	0.071	0.3	0.000	0.106	0.34	Pass
27	0.000	0.083	0.5	0.000	0.125	0.37	Pass
28	0.000	0.066	0.4	0.000	0.099	0.36	Pass
29	0.000	0.078	0.5	0.000	0.116	0.39	Pass
30	0.000	0.061	0.3	0.000	0.092	0.34	Pass
31	0.000	0.073	0.4	0.000	0.109	0.31	Pass
32	0.000	0.058	0.4	0.000	0.086	0.36	Pass
33	0.000	0.068	0.3	0.000	0.102	0.30	Pass
34	0.000	0.054	0.3	0.000	0.081	0.32	Pass
35	0.000	0.064	0.3	0.000	0.096	0.30	Pass
36	0.000	0.051	0.3	0.000	0.077	0.32	Pass
37	0.000	0.061	0.4	0.000	0.091	0.32	Pass
38	0.000	0.048	0.3	0.000	0.073	0.31	Pass
39	0.000	0.058	0.3	0.000	0.087	0.30	Pass
40	0.000	0.046	0.3	0.000	0.069	0.29	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 6  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:28:53  
End time: 09:31:15  
Data file name: H-000347.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 210.17  
I\_Peak (Amps): 0.259  
I\_Fund (Amps): 0.107  
Power (Watts): 11.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.141  
Crest Factor: 1.906  
Power Factor: 0.422

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.154	0.420	36.59	OK
3	0.413	1.891	21.82	OK
4	0.059	0.420	13.98	OK
5	0.058	0.840	6.92	OK
6	0.028	0.420	6.71	OK
7	0.043	0.630	6.80	OK
8	0.021	0.420	4.91	OK
9	0.016	0.420	3.86	OK
10	0.018	0.420	4.18	OK
11	0.026	0.210	12.22	OK
12	0.015	0.210	7.20	OK
13	0.018	0.210	8.42	OK
14	0.013	0.210	6.11	OK
15	0.009	0.210	4.33	OK
16	0.014	0.210	6.87	OK
17	0.009	0.210	4.15	OK
18	0.010	0.210	4.72	OK
19	0.007	0.210	3.34	OK
20	0.009	0.210	4.31	OK
21	0.008	0.210	3.67	OK
22	0.007	0.210	3.22	OK
23	0.006	0.210	2.74	OK
24	0.006	0.210	2.84	OK
25	0.007	0.210	3.47	OK
26	0.008	0.210	3.84	OK
27	0.006	0.210	2.62	OK
28	0.006	0.210	2.69	OK
29	0.006	0.210	2.76	OK
30	0.004	0.210	2.14	OK
31	0.004	0.210	1.84	OK
32	0.004	0.210	2.06	OK
33	0.005	0.210	2.38	OK
34	0.002	0.210	1.14	OK
35	0.004	0.210	1.70	OK
36	0.002	0.210	1.18	OK
37	0.003	0.210	1.62	OK
38	0.003	0.210	1.20	OK
39	0.003	0.210	1.35	OK
40	0.009	0.210	4.17	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:25:55

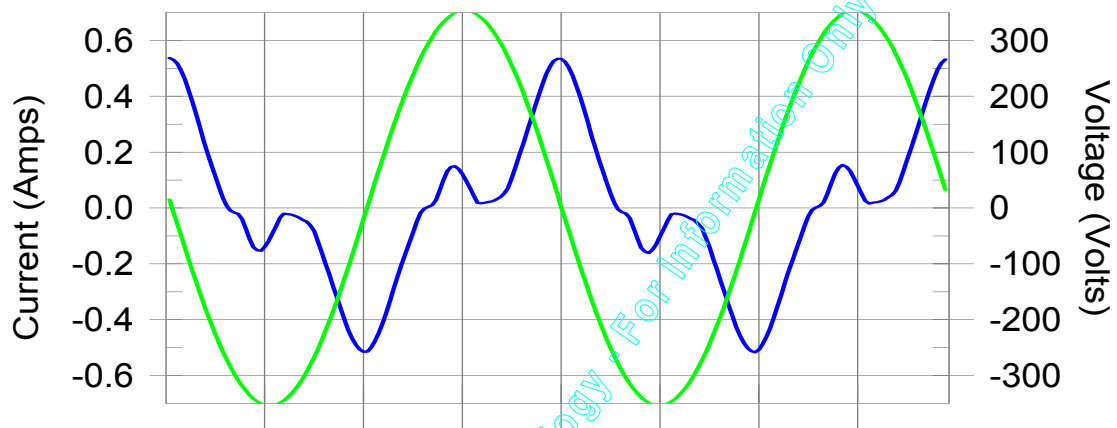
Start time: 09:23:33

Data file name: H-000346.cts\_data

Test Result: Pass

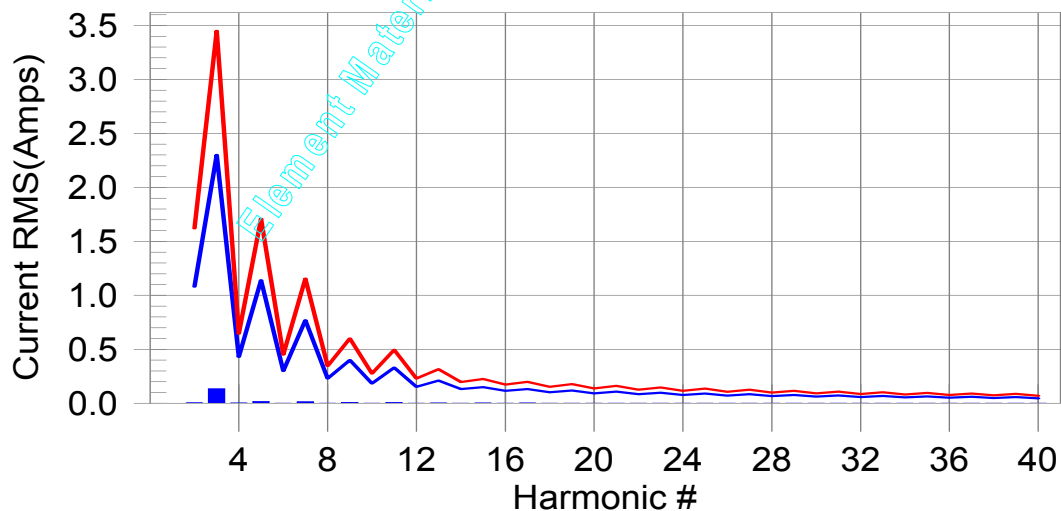
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.75% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 09:23:33 End time: 09:25:55  
Test duration (min): 2 Data file name: H-000346.cts\_data  
Comment: Sample 5  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.13 I-THD(%): 58.33 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 250.16 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.540 I\_RMS (Amps): 0.271  
I\_Fund (Amps): 0.234 Crest Factor: 2.019  
Power (Watts): 13.7 Power Factor: 0.212

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.005	1.620	0.28	Pass
3	0.132	2.300	5.8	0.135	3.450	3.90	Pass
4	0.002	0.430	0.5	0.003	0.645	0.41	Pass
5	0.017	1.140	1.4	0.018	1.710	1.03	Pass
6	0.002	0.300	0.5	0.002	0.450	0.43	Pass
7	0.013	0.770	1.7	0.014	1.155	1.18	Pass
8	0.001	0.230	0.6	0.002	0.345	0.46	Pass
9	0.008	0.400	2.1	0.008	0.600	1.40	Pass
10	0.001	0.184	0.6	0.001	0.276	0.44	Pass
11	0.007	0.330	2.1	0.007	0.495	1.48	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.002	0.210	0.9	0.002	0.315	0.68	Pass
14	0.000	0.131	0.4	0.001	0.197	0.33	Pass
15	0.003	0.150	1.8	0.003	0.225	1.31	Pass
16	0.000	0.115	0.4	0.001	0.173	0.32	Pass
17	0.002	0.132	1.7	0.002	0.199	1.17	Pass
18	0.000	0.102	0.4	0.000	0.153	0.31	Pass
19	0.001	0.118	1.0	0.001	0.178	0.74	Pass
20	0.000	0.092	0.3	0.000	0.138	0.32	Pass
21	0.001	0.107	0.8	0.001	0.161	0.56	Pass
22	0.000	0.084	0.3	0.000	0.125	0.27	Pass
23	0.001	0.098	0.6	0.001	0.147	0.47	Pass
24	0.000	0.077	0.3	0.000	0.115	0.28	Pass
25	0.001	0.090	1.0	0.001	0.135	0.71	Pass
26	0.000	0.071	0.3	0.000	0.106	0.27	Pass
27	0.000	0.083	0.6	0.001	0.125	0.42	Pass
28	0.000	0.066	0.3	0.000	0.099	0.29	Pass
29	0.000	0.078	0.4	0.000	0.116	0.34	Pass
30	0.000	0.061	0.4	0.000	0.092	0.29	Pass
31	0.000	0.073	0.5	0.000	0.109	0.36	Pass
32	0.000	0.058	0.4	0.000	0.086	0.30	Pass
33	0.000	0.068	0.4	0.000	0.102	0.32	Pass
34	0.000	0.054	0.3	0.000	0.081	0.27	Pass
35	0.000	0.064	0.4	0.000	0.096	0.29	Pass
36	0.000	0.051	0.3	0.000	0.077	0.24	Pass
37	0.000	0.061	0.4	0.000	0.091	0.34	Pass
38	0.000	0.048	0.3	0.000	0.073	0.25	Pass
39	0.000	0.058	0.4	0.000	0.087	0.32	Pass
40	0.000	0.046	0.2	0.000	0.069	0.22	Pass



### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:23:33  
End time: 09:25:55  
Data file name: H-000346.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	250.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.540	I_RMS (Amps):	0.271
I_Fund (Amps):	0.234	Crest Factor:	2.019
Power (Watts):	13.7	Power Factor:	0.212

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.184	0.500	36.77	OK
3		0.577	2.250	25.63	OK
4		0.061	0.500	12.10	OK
5		0.079	1.000	7.92	OK
6		0.033	0.500	6.54	OK
7		0.053	0.750	7.02	OK
8		0.018	0.500	3.55	OK
9		0.031	0.500	6.10	OK
10		0.028	0.500	5.67	OK
11		0.027	0.250	10.82	OK
12		0.020	0.250	7.80	OK
13		0.027	0.250	10.96	OK
14		0.010	0.250	3.93	OK
15		0.016	0.250	6.47	OK
16		0.012	0.250	4.68	OK
17		0.013	0.250	5.35	OK
18		0.018	0.250	7.24	OK
19		0.009	0.250	3.52	OK
20		0.017	0.250	6.62	OK
21		0.008	0.250	3.32	OK
22		0.010	0.250	3.83	OK
23		0.007	0.250	2.92	OK
24		0.006	0.250	2.28	OK
25		0.010	0.250	4.04	OK
26		0.008	0.250	3.39	OK
27		0.006	0.250	2.39	OK
28		0.007	0.250	2.70	OK
29		0.007	0.250	2.80	OK
30		0.006	0.250	2.43	OK
31		0.006	0.250	2.43	OK
32		0.006	0.250	2.54	OK
33		0.006	0.250	2.28	OK
34		0.003	0.250	1.23	OK
35		0.004	0.250	1.51	OK
36		0.003	0.250	1.18	OK
37		0.004	0.250	1.66	OK
38		0.003	0.250	1.33	OK
39		0.004	0.250	1.44	OK
40		0.009	0.250	3.63	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:21:57

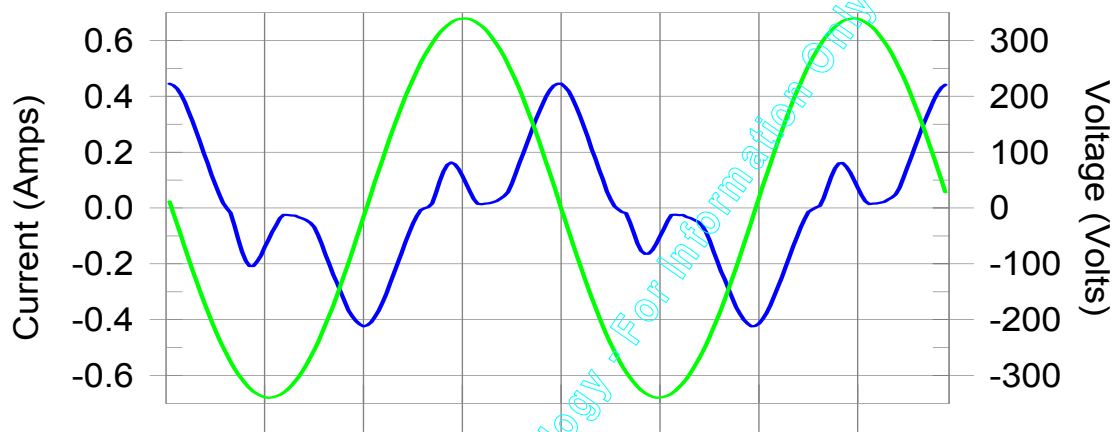
Start time: 09:19:36

Data file name: H-000345.cts\_data

Test Result: Pass

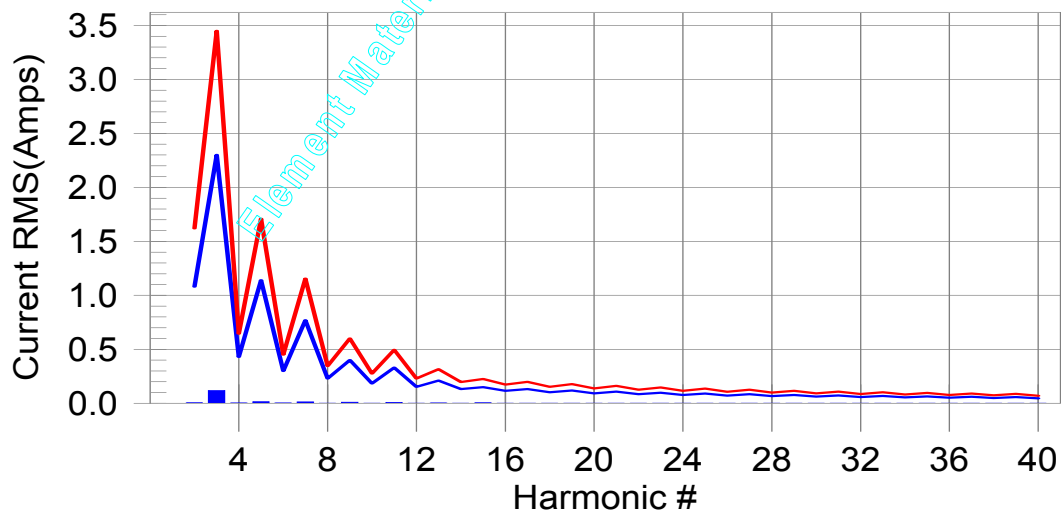
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 5.01% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 09:19:36 End time: 09:21:57  
Test duration (min): 2 Data file name: H-000345.cts\_data  
Comment: Sample 5  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.12 I-THD(%): 61.81 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 240.16 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.448 I\_RMS (Amps): 0.229  
I\_Fund (Amps): 0.194 Crest Factor: 1.996  
Power (Watts): 13.1 Power Factor: 0.250

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.004	1.080	0.3	0.005	1.620	0.29	Pass
3	0.115	2.300	5.0	0.118	3.450	3.42	Pass
4	0.002	0.430	0.5	0.003	0.645	0.45	Pass
5	0.015	1.140	1.3	0.015	1.710	0.89	Pass
6	0.002	0.300	0.6	0.002	0.450	0.49	Pass
7	0.013	0.770	1.6	0.013	1.155	1.14	Pass
8	0.001	0.230	0.6	0.002	0.345	0.52	Pass
9	0.009	0.400	2.3	0.009	0.600	1.58	Pass
10	0.001	0.184	0.6	0.001	0.276	0.47	Pass
11	0.006	0.330	2.0	0.007	0.495	1.37	Pass
12	0.001	0.153	0.5	0.001	0.230	0.40	Pass
13	0.002	0.210	1.0	0.002	0.315	0.68	Pass
14	0.001	0.131	0.4	0.001	0.197	0.34	Pass
15	0.003	0.150	2.0	0.003	0.225	1.42	Pass
16	0.000	0.115	0.4	0.001	0.173	0.32	Pass
17	0.002	0.132	1.2	0.002	0.199	0.87	Pass
18	0.000	0.102	0.4	0.000	0.153	0.32	Pass
19	0.001	0.118	1.2	0.001	0.178	0.82	Pass
20	0.000	0.092	0.3	0.000	0.138	0.29	Pass
21	0.001	0.107	0.5	0.001	0.161	0.37	Pass
22	0.000	0.084	0.3	0.000	0.125	0.27	Pass
23	0.001	0.098	0.9	0.001	0.147	0.67	Pass
24	0.000	0.077	0.3	0.000	0.115	0.27	Pass
25	0.001	0.090	0.8	0.001	0.135	0.57	Pass
26	0.000	0.071	0.3	0.000	0.106	0.27	Pass
27	0.000	0.083	0.4	0.000	0.125	0.29	Pass
28	0.000	0.066	0.4	0.000	0.099	0.31	Pass
29	0.000	0.078	0.4	0.000	0.116	0.32	Pass
30	0.000	0.061	0.3	0.000	0.092	0.28	Pass
31	0.000	0.073	0.4	0.000	0.109	0.30	Pass
32	0.000	0.058	0.4	0.000	0.086	0.31	Pass
33	0.000	0.068	0.4	0.000	0.102	0.33	Pass
34	0.000	0.054	0.3	0.000	0.081	0.28	Pass
35	0.000	0.064	0.4	0.000	0.096	0.33	Pass
36	0.000	0.051	0.3	0.000	0.077	0.24	Pass
37	0.000	0.061	0.4	0.000	0.091	0.31	Pass
38	0.000	0.048	0.3	0.000	0.073	0.24	Pass
39	0.000	0.058	0.4	0.000	0.087	0.28	Pass
40	0.000	0.046	0.2	0.000	0.069	0.22	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:19:36  
End time: 09:21:57  
Data file name: H-000345.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	240.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.448	I_RMS (Amps):	0.229
I_Fund (Amps):	0.194	Crest Factor:	1.996
Power (Watts):	13.1	Power Factor:	0.250

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.177	0.480	36.79	OK
3		0.537	2.160	24.88	OK
4		0.058	0.480	12.13	OK
5		0.065	0.960	6.78	OK
6		0.034	0.480	7.08	OK
7		0.045	0.720	6.22	OK
8		0.018	0.480	3.71	OK
9		0.026	0.480	5.51	OK
10		0.027	0.480	5.63	OK
11		0.030	0.240	12.43	OK
12		0.019	0.240	7.73	OK
13		0.026	0.240	11.01	OK
14		0.010	0.240	4.05	OK
15		0.013	0.240	5.30	OK
16		0.015	0.240	6.15	OK
17		0.012	0.240	4.91	OK
18		0.016	0.240	6.71	OK
19		0.009	0.240	3.58	OK
20		0.016	0.240	6.64	OK
21		0.009	0.240	3.85	OK
22		0.007	0.240	3.07	OK
23		0.008	0.240	3.24	OK
24		0.005	0.240	2.22	OK
25		0.008	0.240	3.40	OK
26		0.009	0.240	3.91	OK
27		0.007	0.240	2.75	OK
28		0.007	0.240	2.86	OK
29		0.008	0.240	3.15	OK
30		0.007	0.240	2.78	OK
31		0.005	0.240	2.22	OK
32		0.005	0.240	2.19	OK
33		0.006	0.240	2.30	OK
34		0.003	0.240	1.16	OK
35		0.005	0.240	2.04	OK
36		0.003	0.240	1.42	OK
37		0.004	0.240	1.79	OK
38		0.003	0.240	1.13	OK
39		0.004	0.240	1.66	OK
40		0.009	0.240	3.63	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:17:04

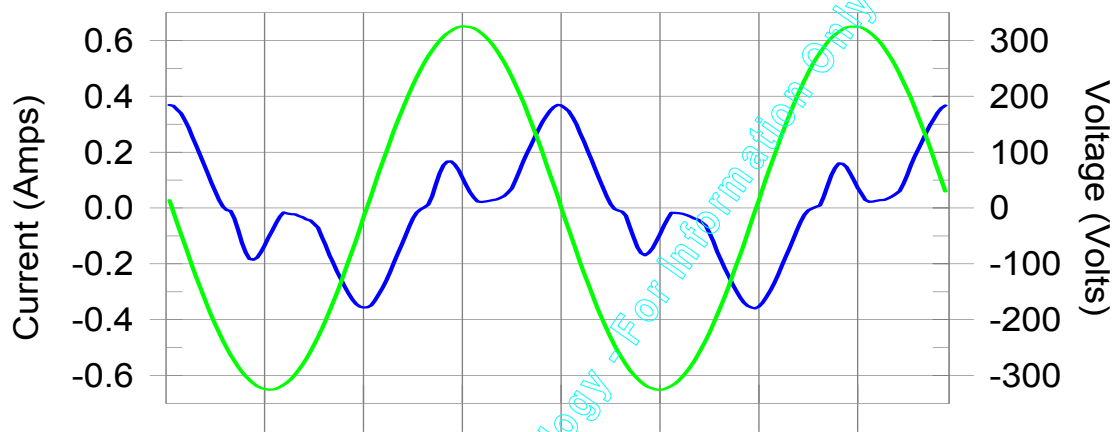
Start time: 09:14:43

Data file name: H-000344.cts\_data

Test Result: Pass

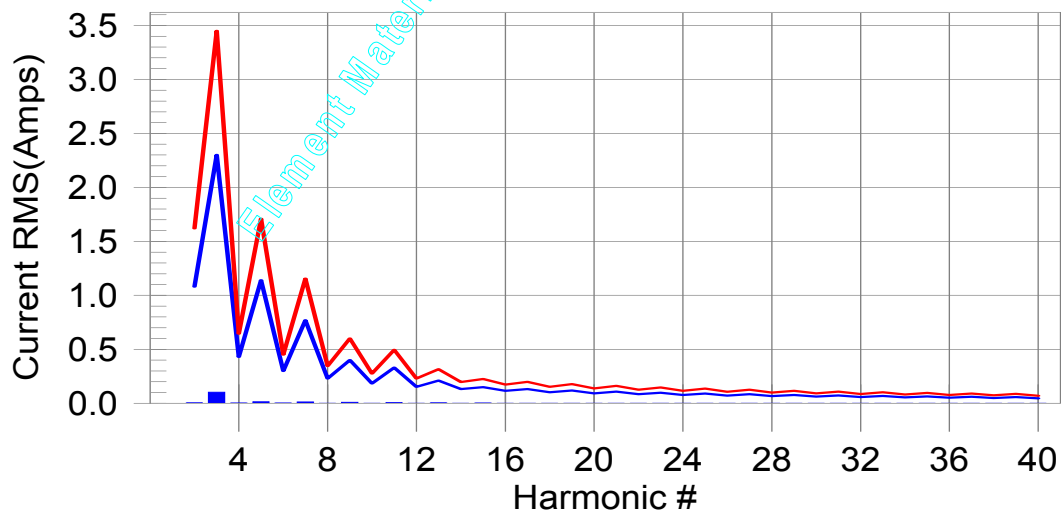
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 4.38% of the limit.

### Current Test Result Summary (Run time)

EUT: AGD645 Tested by: DS  
Test category: Class-A per Ed. 3.2 (2009) (European limits) Test Margin: 100  
Test date: 17/08/2017 Start time: 09:14:43 End time: 09:17:04  
Test duration (min): 2 Data file name: H-000344.cts\_data  
Comment: Sample 5  
Customer: AGD

Test Result: Pass Source qualification: Normal  
THC(A): 0.10 I-THD(%): 65.85 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 230.16 Frequency(Hz): 50.00  
I\_Peak (Amps): 0.371 I\_RMS (Amps): 0.193  
I\_Fund (Amps): 0.160 Crest Factor: 1.980  
Power (Watts): 12.5 Power Factor: 0.297

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.27	Pass
3	0.101	2.300	4.4	0.103	3.450	3.00	Pass
4	0.002	0.430	0.6	0.003	0.645	0.43	Pass
5	0.013	1.140	1.2	0.014	1.710	0.81	Pass
6	0.002	0.300	0.6	0.002	0.450	0.48	Pass
7	0.013	0.770	1.7	0.013	1.155	1.16	Pass
8	0.001	0.230	0.6	0.002	0.345	0.51	Pass
9	0.010	0.400	2.5	0.010	0.600	1.72	Pass
10	0.001	0.184	0.6	0.001	0.276	0.49	Pass
11	0.005	0.330	1.6	0.006	0.495	1.12	Pass
12	0.001	0.153	0.5	0.001	0.230	0.40	Pass
13	0.003	0.210	1.4	0.003	0.315	1.03	Pass
14	0.001	0.131	0.4	0.001	0.197	0.38	Pass
15	0.003	0.150	1.8	0.003	0.225	1.26	Pass
16	0.000	0.115	0.4	0.001	0.173	0.34	Pass
17	0.002	0.132	1.2	0.002	0.199	0.82	Pass
18	0.000	0.102	0.4	0.001	0.153	0.35	Pass
19	0.001	0.118	1.0	0.001	0.178	0.69	Pass
20	0.000	0.092	0.3	0.000	0.138	0.30	Pass
21	0.001	0.107	0.6	0.001	0.161	0.47	Pass
22	0.000	0.084	0.3	0.000	0.125	0.29	Pass
23	0.001	0.098	0.9	0.001	0.147	0.68	Pass
24	0.000	0.077	0.3	0.000	0.115	0.27	Pass
25	0.000	0.090	0.5	0.000	0.135	0.37	Pass
26	0.000	0.071	0.3	0.000	0.106	0.27	Pass
27	0.000	0.083	0.4	0.000	0.125	0.28	Pass
28	0.000	0.066	0.3	0.000	0.099	0.29	Pass
29	0.000	0.078	0.4	0.000	0.116	0.27	Pass
30	0.000	0.061	0.3	0.000	0.092	0.26	Pass
31	0.000	0.073	0.4	0.000	0.109	0.32	Pass
32	0.000	0.058	0.4	0.000	0.086	0.31	Pass
33	0.000	0.068	0.4	0.000	0.102	0.34	Pass
34	0.000	0.054	0.3	0.000	0.081	0.26	Pass
35	0.000	0.064	0.4	0.000	0.096	0.29	Pass
36	0.000	0.051	0.2	0.000	0.077	0.24	Pass
37	0.000	0.061	0.3	0.000	0.091	0.26	Pass
38	0.000	0.048	0.2	0.000	0.073	0.25	Pass
39	0.000	0.058	0.3	0.000	0.087	0.25	Pass
40	0.000	0.046	0.2	0.000	0.069	0.23	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:14:43  
End time: 09:17:04  
Data file name: H-000344.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	230.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.371	I_RMS (Amps):	0.193
I_Fund (Amps):	0.160	Crest Factor:	1.980
Power (Watts):	12.5	Power Factor:	0.297

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.166	0.460	36.18	OK
3		0.502	2.071	24.25	OK
4		0.059	0.460	12.81	OK
5		0.059	0.920	6.45	OK
6		0.032	0.460	6.97	OK
7		0.044	0.690	6.45	OK
8		0.020	0.460	4.35	OK
9		0.021	0.460	4.53	OK
10		0.024	0.460	5.12	OK
11		0.030	0.230	12.96	OK
12		0.017	0.230	7.31	OK
13		0.024	0.230	10.48	OK
14		0.010	0.230	4.52	OK
15		0.010	0.230	4.35	OK
16		0.015	0.230	6.36	OK
17		0.009	0.230	4.12	OK
18		0.015	0.230	6.38	OK
19		0.008	0.230	3.36	OK
20		0.014	0.230	5.93	OK
21		0.010	0.230	4.38	OK
22		0.006	0.230	2.54	OK
23		0.006	0.230	2.82	OK
24		0.005	0.230	2.22	OK
25		0.007	0.230	3.07	OK
26		0.009	0.230	3.82	OK
27		0.006	0.230	2.76	OK
28		0.007	0.230	2.94	OK
29		0.007	0.230	2.94	OK
30		0.005	0.230	2.14	OK
31		0.004	0.230	1.87	OK
32		0.005	0.230	2.32	OK
33		0.005	0.230	2.29	OK
34		0.003	0.230	1.18	OK
35		0.004	0.230	1.57	OK
36		0.003	0.230	1.23	OK
37		0.004	0.230	1.66	OK
38		0.002	0.230	1.00	OK
39		0.003	0.230	1.42	OK
40		0.009	0.230	3.87	OK

## Harmonics – Class-A per Ed. 3.2 (2009)(Run time) incl. inter-harmonics

EUT: AGD645

Test category: Class-A per Ed. 3.2 (2009) (European limits)

Test date: 17/08/2017

Test duration (min): 2

Comment: Sample 5

Customer: AGD

Tested by: DS

Test Margin: 100

End time: 09:09:47

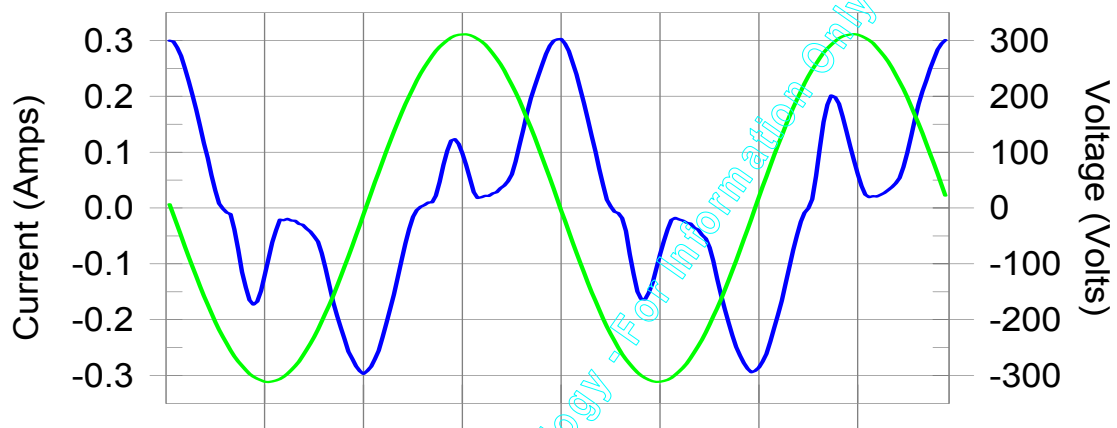
Start time: 09:07:25

Data file name: H-000343.cts\_data

Test Result: Pass

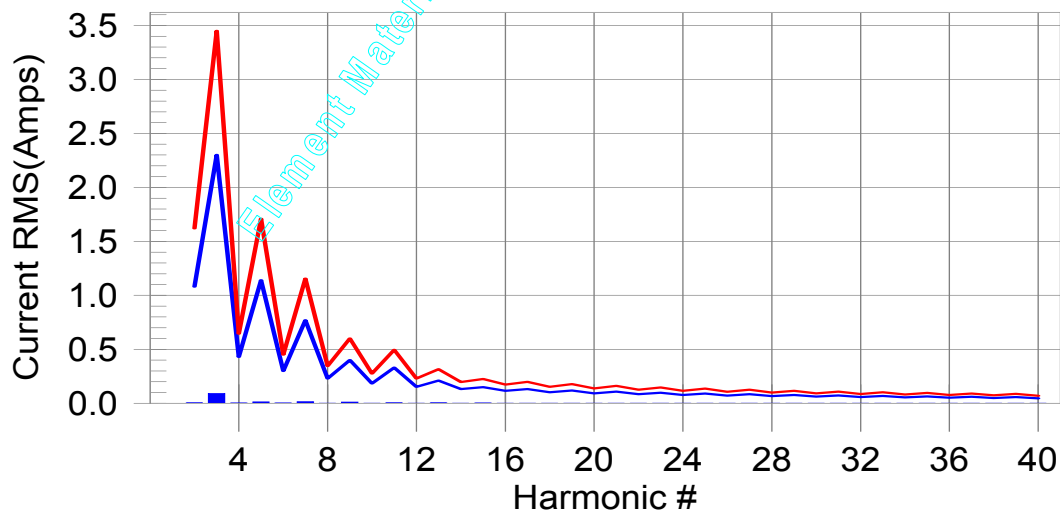
Source qualification: Normal

### Current & voltage waveforms



### Harmonics and Class A limit line

### European Limits



Test result: Pass Worst harmonic was #3 with 3.88% of the limit.



### Current Test Result Summary (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:07:25  
End time: 09:09:47  
Data file name: H-000343.cts\_data

Test Result: Pass Source qualification: Normal  
THC(A): 0.09 I-THD(%): 71.47 POHC(A): 0.000 POHC Limit(A): 0.251  
Highest parameter values during test:

V\_RMS (Volts): 220.16  
I\_Peak (Amps): 0.306  
I\_Fund (Amps): 0.131  
Power (Watts): 11.9

Frequency(Hz): 50.00  
I\_RMS (Amps): 0.164  
Crest Factor: 1.946  
Power Factor: 0.353

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	1.080	0.3	0.004	1.620	0.26	Pass
3	0.089	2.300	3.9	0.092	3.450	2.67	Pass
4	0.003	0.430	0.6	0.003	0.645	0.44	Pass
5	0.013	1.140	1.1	0.013	1.710	0.76	Pass
6	0.002	0.300	0.6	0.002	0.450	0.52	Pass
7	0.013	0.770	1.7	0.014	1.155	1.20	Pass
8	0.002	0.230	0.7	0.002	0.345	0.54	Pass
9	0.010	0.400	2.6	0.011	0.600	1.77	Pass
10	0.001	0.184	0.7	0.001	0.276	0.52	Pass
11	0.004	0.330	1.2	0.004	0.495	0.86	Pass
12	0.001	0.153	0.5	0.001	0.230	0.41	Pass
13	0.004	0.210	1.8	0.004	0.315	1.26	Pass
14	0.001	0.131	0.4	0.001	0.197	0.33	Pass
15	0.002	0.150	1.5	0.002	0.225	1.02	Pass
16	0.000	0.115	0.4	0.001	0.173	0.29	Pass
17	0.002	0.132	1.3	0.002	0.199	0.89	Pass
18	0.000	0.102	0.4	0.000	0.153	0.28	Pass
19	0.001	0.118	0.6	0.001	0.178	0.44	Pass
20	0.000	0.092	0.3	0.000	0.138	0.24	Pass
21	0.001	0.107	0.8	0.001	0.161	0.62	Pass
22	0.000	0.084	0.3	0.000	0.125	0.23	Pass
23	0.001	0.098	0.7	0.001	0.147	0.49	Pass
24	0.000	0.077	0.3	0.000	0.115	0.21	Pass
25	0.000	0.090	0.4	0.000	0.135	0.27	Pass
26	0.000	0.071	0.3	0.000	0.106	0.22	Pass
27	0.000	0.083	0.3	0.000	0.125	0.25	Pass
28	0.000	0.066	0.3	0.000	0.099	0.25	Pass
29	0.000	0.078	0.4	0.000	0.116	0.31	Pass
30	0.000	0.061	0.3	0.000	0.092	0.23	Pass
31	0.000	0.073	0.4	0.000	0.109	0.30	Pass
32	0.000	0.058	0.4	0.000	0.086	0.27	Pass
33	0.000	0.068	0.4	0.000	0.102	0.28	Pass
34	0.000	0.054	0.3	0.000	0.081	0.21	Pass
35	0.000	0.064	0.3	0.000	0.096	0.21	Pass
36	0.000	0.051	0.2	0.000	0.077	0.18	Pass
37	0.000	0.061	0.3	0.000	0.091	0.23	Pass
38	0.000	0.048	0.2	0.000	0.073	0.19	Pass
39	0.000	0.058	0.4	0.000	0.087	0.26	Pass
40	0.000	0.046	0.2	0.000	0.069	0.16	Pass

### Voltage Source Verification Data (Run time)

EUT: AGD645  
Test category: Class-A per Ed. 3.2 (2009) (European limits)  
Test date: 17/08/2017  
Test duration (min): 2  
Comment: Sample 5  
Customer: AGD

Tested by: DS  
Test Margin: 100  
Start time: 09:07:25  
End time: 09:09:47  
Data file name: H-000343.cts\_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms):	220.16	Frequency(Hz):	50.00
I_Peak (Amps):	0.306	I_RMS (Amps):	0.164
I_Fund (Amps):	0.131	Crest Factor:	1.946
Power (Watts):	11.9	Power Factor:	0.353

Harm#	Harmonics	V-rms	Limit V-rms	% of Limit	Status
2		0.156	0.440	35.38	OK
3		0.440	1.980	22.23	OK
4		0.057	0.440	12.87	OK
5		0.056	0.880	6.37	OK
6		0.028	0.440	6.34	OK
7		0.041	0.660	6.26	OK
8		0.020	0.440	4.58	OK
9		0.015	0.440	3.36	OK
10		0.018	0.440	4.03	OK
11		0.026	0.220	11.76	OK
12		0.015	0.220	6.74	OK
13		0.019	0.220	8.74	OK
14		0.012	0.220	5.25	OK
15		0.008	0.220	3.75	OK
16		0.014	0.220	6.47	OK
17		0.007	0.220	3.14	OK
18		0.012	0.220	5.37	OK
19		0.007	0.220	3.26	OK
20		0.011	0.220	5.04	OK
21		0.008	0.220	3.58	OK
22		0.006	0.220	2.60	OK
23		0.005	0.220	2.23	OK
24		0.006	0.220	2.54	OK
25		0.007	0.220	3.12	OK
26		0.009	0.220	4.12	OK
27		0.005	0.220	2.35	OK
28		0.005	0.220	2.35	OK
29		0.006	0.220	2.60	OK
30		0.005	0.220	2.26	OK
31		0.004	0.220	1.67	OK
32		0.005	0.220	2.19	OK
33		0.005	0.220	2.11	OK
34		0.002	0.220	1.10	OK
35		0.003	0.220	1.56	OK
36		0.003	0.220	1.28	OK
37		0.003	0.220	1.53	OK
38		0.002	0.220	1.13	OK
39		0.003	0.220	1.35	OK
40		0.009	0.220	4.06	OK