

Harmonics – Class-C per A-14(Run time)

EUT: E14

Test category: Class-C per A-14 (European limits)

Test date: 10/9/2007

Test duration (min): 2.5

Comment: ON

Customer:

Tested by:

Test Margin: 100

End time: 4:36:29 PM

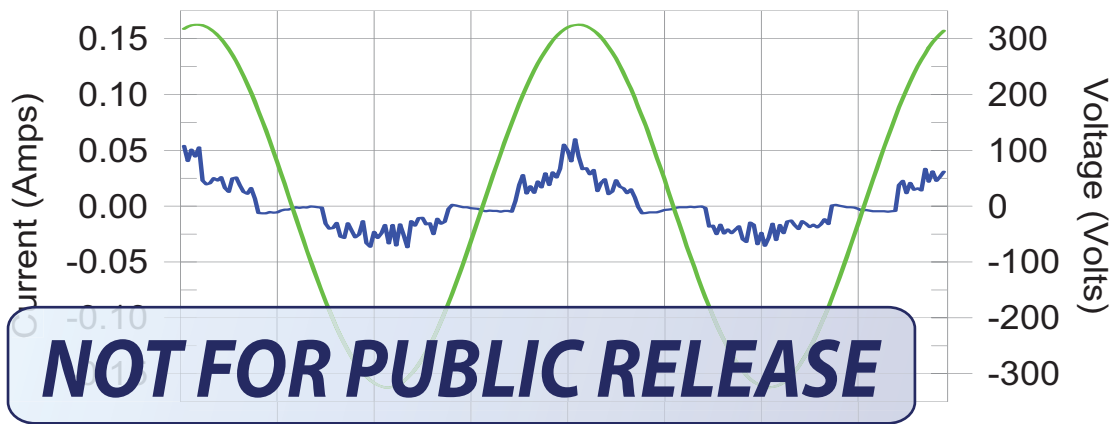
Start time: 4:33:49 PM

Data file name: H-000285.cts_data

Test Result: Pass

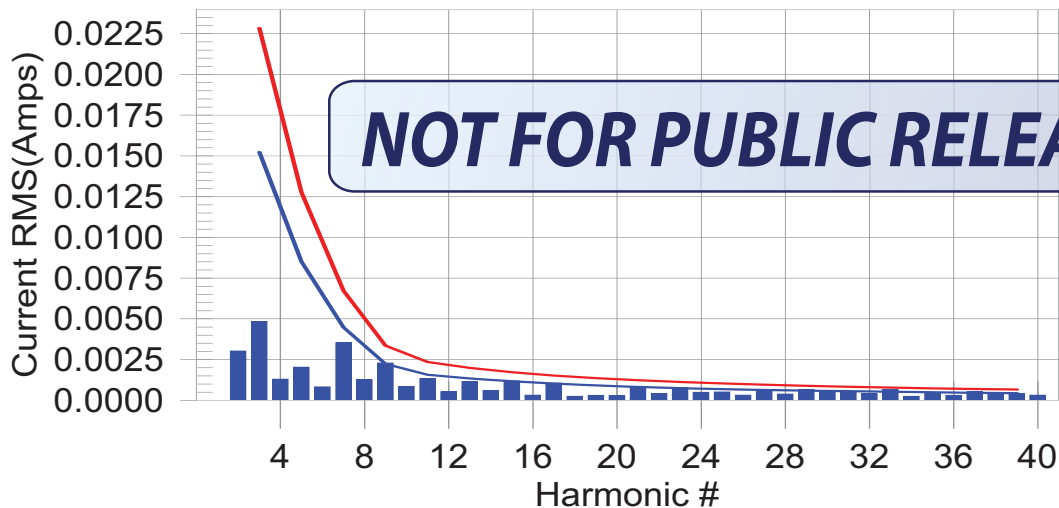
Source qualification: Normal

Current & voltage waveforms



Harmonics and Class C limit line (Table-3 Class-D)

European Limits



Test result: Pass or waveform fails phase angle spec. - see below

Current Test Result Summary (Run time)

EUT: E14

Test category: Class-C per A-14 (European limits)

Test date: 10/9/2007 Start time: 4:33:49 PM

Test duration (min): 2.5 Data file name: H-000285.cts_data

Comment: ON

Customer:

Tested by:

Test Margin: 100

End time: 4:36:29 PM

Test Result: Pass

THC(A): 0.01 I-THD(pk%): 39.58

Highest parameter values during test:

V_RMS (Volts): 229.83

I_Peak (Amps): 0.062

I_Fund (Amps): 0.019

Power (Watts): 4

Source qualification: Normal

POHC(A): 0.001

POHC Limit(A): 0.002

Frequency(Hz): 50.00

I_RMS (Amps): 0.021

Crest Factor: 3.070

Power Factor: 0.926

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.003	0.015	21.5	0.005	0.023	21.20	Pass
3	0.003	0.009	21.2	0.002	0.013	15.96	Pass
4	0.001	0.004	73.7	0.004	0.007	52.79	Pass
5	0.002	0.002	94.3	0.002	0.003	68.40	Pass
6	0.001	0.002	67.4	0.001	0.002	56.28	Pass
7	0.001	0.001	71.6	0.001	0.002	57.42	Pass
8	0.001	0.001	90.3	0.001	0.002	69.30	Pass
9	0.000	0.001	87.8	0.001	0.002	69.53	Pass
10	0.000	0.001	21.5	0.000	0.001	22.83	Pass
11	0.000	0.001	79.9	0.001	0.001	64.84	Pass
12	0.000	0.001	76.0	0.001	0.001	70.67	Pass
13	0.000	0.001	50.2	0.001	0.001	49.88	Pass
14	0.000	0.001	69.7	0.001	0.001	70.15	Pass
15	0.000	0.001	70.2	0.001	0.001	75.89	Pass
16	0.000	0.001	55.4	0.001	0.001	63.29	Pass
17	0.000	0.001	82.6	0.001	0.001	84.11	Pass
18	0.000	0.000	58.4	0.000	0.001	59.73	Pass
19	0.000	0.000	75.8	0.001	0.001	76.68	Pass
20	0.000	0.000	70.5	0.000	0.001	63.24	Pass
21	0.000	0.000					
22	0.000						
23	0.001						
24	0.000						
25	0.000						
26	0.000						
27	0.000						
28	0.000						
29	0.000						
30	0.001						
31	0.000						
32	0.000						
33	0.000						
34	0.000						
35	0.000						
36	0.000						
37	0.000						
38	0.000						
39	0.000						
40	0.000						

Note: Dynamic limits were applied for this test (Class C < 25 Watts).

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Voltage Source Verification Data (Run time)

EUT: E14
Test category: Class-C per A-14 (European limits)
Test date: 10/9/2007
Test duration (min): 2.5
Comment: ON
Customer:
Tested by:
Test Margin: 100
Start time: 4:33:49 PM
End time: 4:36:29 PM
Data file name: H-000285.cts_data

Test Result: Pass Source qualification: Normal

Highest parameter values during test:

Voltage (Vrms): 229.83
I_Peak (Amps): 0.062
I_Fund (Amps): 0.019
Power (Watts): 4
Frequency(Hz): 50.00
I_RMS (Amps): 0.021
Crest Factor: 3.070
Power Factor: 0.926

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.128	0.460	27.86	OK
3	0.477	2.068	23.05	OK
4	0.067	0.460	14.48	OK
5	0.035	0.919	3.79	OK
6	0.018	0.460	4.02	OK
7	0.025	0.689	3.57	OK
8	0.025	0.460	5.54	OK
9	0.034	0.459	7.42	OK
10	0.025	0.460	5.50	OK
11	0.016	0.230	6.78	OK
12	0.011	0.230	4.74	OK
13	0.014	0.230	6.06	OK
14	0.012	0.230	5.13	OK
15	0.007	0.230	2.95	OK
16	0.016	0.230	7.01	OK
17	0.011	0.230	4.85	OK
18	0.014	0.230	6.08	OK
19	0.008	0.230	3.49	OK
20	0.019	0.230	8.15	OK
21	0.009	0.230	3.92	OK
22	0.008	0.230	3.64	OK
23	0.007	0.230	3.12	OK
24	0.004	0.230	1.91	OK
25	0.008	0.230	3.54	OK
26	0.009	0.230	4.13	OK
27	0.006	0.230	2.70	OK
28	0.008	0.230	3.61	OK
29	0.008	0.230	3.29	OK
30	0.008	0.230	3.61	OK
31	0.004	0.230	1.86	OK
32	0.007	0.230	3.06	OK
33	0.005	0.230	2.32	OK
34	0.004	0.230	1.66	OK
35	0.004	0.230	1.69	OK
36	0.004	0.230	1.70	OK
37	0.005	0.230	2.25	OK
38	0.002	0.230	1.05	OK
39	0.003	0.230	1.17	OK

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