File No. E08584.09

EMC File

Product	Hobs for building-in
Name and address of the applicant	Tecnowind S.p.A. Piani di Marischio, 19 I-60044 Fabriano (AN) ITALY
Name and address of the manufacturer	Tecnowind S.p.A. Piani di Marischio, 19 I-60044 Fabriano (AN) ITALY
Model	Type P58.. .. .. Family
Rating	5100-6800W 220-240V 50/60Hz
Brand name	Tecnowind
Serial number	-
Additional information	-
Tested according to	EN 55014-1 (2006) + A1 (2009) + A2 (2011) EN 61000-3-2 (2006) + A1 (2009) + A2 (2009) EN 61000-3-3 (2008) EN 55014-2 (1997) + A1 (2001) + A2 (2008)
Order number	247713
Tested in period	2006 June, 2007 February, 2005 September, 2010 January, 2010 August, 2013 November.
Issue date	2013-12-09
Name and address of the testing laboratory	Nemko P.O. Box 73 Blindern, N-0314 Oslo, Norway Telephone (+47) 22 96 03 30 Fax (+47) 22 96 05 50

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Approved by [Roger Berget]

REVISIONS

Revision #	Date	Order #	Description
00	2006-06-08	43604	Individual Nemko Italy report
01	2007-02-15	66158	Individual Nemko Italy report
02	2005-09-20	81521	Individual Nemko Italy report
03	2008-12-12	116103	First issue of this report based on previous work of the above reports
04	2010-02-11	141973	Additional testing to qualify an alternative Power PCB with touch control from EIKA
05	2010-08-06	151426	Additional testing to qualify an alt. control PCB and new heating elements.
06	2010-09-09	151426	Correction of report with revision 05 to include new models and correction of typing error.
07	2010-12-06	162016	Update to latest standard versions. No additional test needed.
08	2012-12-20	226179	Added 3 new models in the variant lists. Update to latest standard versions. No additional test needed.
09	2013-12-09	247713	Additional tests to include new touch control units

GENERAL REMARKS

This file applies only to the sample(s) tested. It is the manufacturer's responsibility to assure the additional production units of this product are manufactured with identical electrical and mechanical components. The manufacturer is responsible to the Competent Authorities in Europe for any modifications made to the product, which result in non-compliance to the relevant regulations.

Opinions expressed within this file regarding general assessments and qualifications for **PASS** or **FAIL** to the standards limits and requirements, are not part of the current accreditation. Neither is opinions expressed regarding model variants covered by the testing of this file.

CALIBRATION

All instruments used in the tests given in this test file are calibrated and traceable to national or international standards. Between calibrations all test set-ups are controlled and verified on a regular basis.

The instruments specified in immunity testing are subject to periodic calibration. Monthly controls ensure, with 95% confidence that the instruments remain within the calibrated levels.

MEASUREMENT UNCERTAINTY

Measurement uncertainties are calculated or considered for all instruments and instrument set-ups used during these tests. Uncertainty figures are found in an appendix to this file.

Further information about measurement uncertainties is provided on request.

EVALUATION OF RESULTS

If not explicitly stated otherwise in the standard, the test is passed if the measurement value is equal to or below the limit line, regardless of the uncertainty of the measurement. If the measurement value is above the limit line, the test is not passed - ref. IECEE/CTL (Sec) 056/94 (CTL = Committee of Testing Laboratories).

The instrumentation accuracy is within limits agreed by the IECEE/CTL (ref. Nemko proc. P227).

TABLE OF CONTENTS

EQUIPMENT UNDER TEST (EUT)

SYSTEM DESCRIPTION

Family of hobs for building-in, with timer and safety lock functions.

MODEL VARIATIONS

This file covers the following model/types:

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
1.	P58.....	EO6800	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	Yes
2.	P58.....	EO6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	Yes
3.	P58.....	EO5100	5.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
4.	P58.....	EO5200	5.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
5.	P58.....	EO5300	5.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
6.	P58.....	EO5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	Yes
7.	P58.....	EO5410	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
8.	P58.....	EO5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
9.	P58.....	EO5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
10.	P58.....	EO5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
11.	P58.....	EO5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
12.	P58.....	EO5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
13.	P58.....	EO6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
14.	P58.....	EO6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
15.	P58.....	EO6200	6.2W	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
16.	P58.....	EO6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
17.	P58.....	EO6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	Yes
18.	P58.....	EV5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
19.	P58.....	EV5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
20.	P58.....	EV5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
21.	P58.....	EV5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
22.	P58.....	EV5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
23.	P58.....	EV5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
24.	P58……	EV6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
25.	P58……	EV6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
26.	P58……	EV6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
27.	P58……	EV6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
28.	P58……	EV6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
29.	P58……	RO5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
30.	P58……	RO5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
31.	P58……	RO5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
32.	P58……	RO5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
33.	P58……	RO5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
34.	P58……	RO5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
35.	P58……	RO6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
36.	P58……	RO6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
37.	P58……	RO6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
38.	P58……	RO6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
39.	P58……	RO6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
40.	P58……	RV5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
41.	P58……	RV5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
42.	P58……	RV5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
43.	P58……	RV5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
44.	P58……	RV5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
45.	P58……	RV5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
46.	P58……	RV6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
47.	P58……	RV6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
48.	P58……	RV6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
49.	P58……	RV6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
50.	P58……	RV6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
51.	P58……	RE5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
52.	P58……	RE5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
53.	P58……	RE5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
54.	P58……	RE5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
55.	P58……	RE5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
56.	P58……	RE5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
57.	P58……	RE6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
58.	P58……	RE6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
59.	P58……	RE6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
60.	P58……	RE6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
61.	P58……	RE6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
62.	P58……	RE6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
63.	P58……	RE6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
64.	P58……	RE6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
65.	P58……	RE6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
66.	P58……	RB5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
67.	P58……	RB5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
68.	P58……	RB5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
69.	P58……	RB5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
70.	P58……	RB5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
71.	P58……	RB5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
72.	P58……	RB6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
73.	P58……	RB6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
74.	P58……	RB6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
75.	P58……	RB6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
76.	P58……	RB6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
77.	P58……	RB6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
78.	P58……	RB6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
79.	P58……	RB6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
80.	P58……	RB6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
81.	P58……	MO5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
82.	P58……	MO5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
83.	P58……	MO5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
84.	P58……	MO5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
85.	P58……	MO5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
86.	P58……	MO5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
87.	P58……	MO6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
88.	P58……	MO6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
89.	P58……	MO6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
90.	P58……	MO6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
91.	P58……	MO6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
92.	P58……	MV5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
93.	P58……	MV5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
94.	P58……	MV5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
95.	P58……	MV5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
96.	P58……	MV5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
97.	P58……	MV5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
98.	P58……	MV6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
99.	P58……	MV6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
100.	P58……	MV6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
101.	P58……	MV6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
102.	P58……	MV6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
103.	P58……	ME5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
104.	P58……	ME5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
105.	P58……	ME5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
106.	P58……	ME5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
107.	P58……	ME5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
108.	P58……	ME5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
109.	P58……	ME6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
110.	P58……	ME6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
111.	P58……	ME6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
112.	P58……	ME6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
113.	P58……	ME6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
114.	P58……	ME6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
115.	P58……	ME6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
116.	P58……	ME6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
117.	P58……	ME6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
118.	P58……	MB5400	5.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
119.	P58……	MB5500	5.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
120.	P58……	MB5600	5.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
121.	P58……	MB5700	5.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
122.	P58……	MB5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
123.	P58……	MB5900	5.9kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
124.	P58……	MB6000	6.0kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
125.	P58……	MB6100	6.1kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
126.	P58……	MB6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
127.	P58……	MB6300	6.3kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
128.	P58……	MB6400	6.4kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
129.	P58……	MB6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
130.	P58……	MB6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
131.	P58……	MB6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No

VA no.	Type	Model	Rated power input	Rated voltage	Investigated
132.	P58……	MB6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
133.	P58……	CO5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
134.	P58……	CO6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
135.	P58……	CV5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
136.	P58……	CV6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
137.	P58……	CE5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
138.	P58……	CE6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
139.	P58……	CB5800	5.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
140.	P58……	CB6200	6.2kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
139.	P58 ……	EO6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
140.	P58 ……	EV6800	6.8kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
141.	P58 ……	EO6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
142.	P58 ……	EV6700	6.7kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
143.	P58 ……	EO6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
144.	P58 ……	EV6600	6.6kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
145.	P58 ……	EO6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
146.	P58 ……	EV6500	6.5kW	220-240V 2/3 ~ or 380-415V 2N/3N ~	No
147.	P58……	EC6000	6.0kW	220-240V 2/3 or 380-415V 2N/3N	No
148.	P58……	EC6300	6.3kW	220-240V 2/3 or 380-415V 2N/3N	No
149.	P58……	EC6700	6.7kW	220-240V 2/3 or 380-415V 2N/3N	Yes
150.	P58……	EC5400	5.4kW	220-240V 2/3 or 380-415V 2N/3N	No
151.	P58……	EC5500	5.5kW	220-240V 2/3 or 380-415V 2N/3N	No
152	P58……	EC5500 *)	5.5kW	220-240V 2/3 or 380-415V 2N/3N	No
153	P58……	EO6400	6.4kW	220-240V 2/3 or 380-415V 2N/3N	No
154	P58……	EO6900	6.9kW	220-240V 2/3 or 380-415V 2N/3N	No
155	P58……	EC6400	6.4kW	220-240V 2/3 or 380-415V 2N/3N	No

Explanation of the type and reference:

P: hob for build-in (Piano), 58: width of the appliances in centimetre

E: Electronic touch control
R: Energy regulator
C: horizontal Central
M: Mixed: Commutators and energy regulators
O. Horizontal position of the controls
V. Vertical position of the controls
B. Below position of the controls

5100-6900W: Total power input, depending on the combination of hob elements.

PORTS AVAILABLE

This equipment is fitted with the following electrical ports.

PO no.	Port Name	Type	Count	Comment
1	Mains input	AC Input Port	1	-
Notes:				

AVAILABLE OPERATING MODES

The following functional operating modes are available and are considered applicable under intended use.

FU no.	Operating mode	Comment	Investigated
1	Heating	-	Yes
2	Standby	-	No
Notes:			

ADDITIONAL INFORMATION RELATED TO TESTING

This file is built from different individual EMC test reports, which were issued based on tests previously performed on several models in this family, to cover the critical components expected to interfere with its EMC properties. This files serves as a full test file for all components qualified through the years, and collects all these test data into one single report. The first part of the test section contains descriptions of the testing levels and results obtained generally for the family, while the Annex contains individual measurement chapters for each test session performed to one or more of the family members.

GENERAL TEST CONDITIONS

TEST LABORATORY

The following Nemko test sites have been utilized for the tests documented in this file:

	Site	Adress
X	**GAUSTAD**	Gaustadalleen 30, N-0314 Oslo, Norway
	SKAR	Maridalsveien 621, N-0890 Oslo, Norway
	KJELLER	Instituttveien 6, N-2007 Kjeller, Norway
X	**ITALY**	Via Trento e Trieste, 116 I-20046 Biassono MI (Italy)

POWER SUPPLIED TO EUT

Filtered electrical power was available for operation of EuT in all the test sites.

Voltage type: 230V AC 50Hz
Grounding: Grounded through its power connection.

AMBIENT CONDITIONS

All tests and measurements were performed in a shielded enclosure or a controlled environment suitable for the tests conducted.

The climatic condition in the laboratory environment was according to EN 60068-1 (1988) + A1 (1992):

Ambient temperature	23°C (EN 60068-1: 15 - 35°C)
Relative humidity	45%RH (EN 60068-1: 25 - 75%RH)
Atmospheric pressure	100kPa (EN 60068-1: 86 – 106kPa)

Note: The climatic conditions in the test areas are automatically controlled and recorded continuously.

EVALUATION OF PERFORMANCE

FUNCTIONS MONITORED DURING IMMUNITY TESTS

In order to verify acceptable performance by the EuT during the applied tests, the following functions were monitored:

#	Function	Monitoring method
1	Heating	Visual
2	Timer	Visual
Notes:		

FUNCTIONAL CHECKS

A verification of correct function was performed before, during and after each test, by the following tests:

#	Functional tests
1	Heating, timer and safety lock function was tested before and after each tests to verify normal behavior.
Notes:	

PERFORMANCE CRITERIA

In order to pass each test, the EuT shall meet the following criteria:

Criteria	General description	Criteria modified by manufacturer
A	The device shall continue to operate as intended both during and after the test. No degradation of performance or loss of function is allowed below the expected performance level of the device	-
B	The device shall continue to operate as intended after the test. No degradation of performance or loss of function is allowed below the expected performance level of the device	-
C	Temporary loss of function during test is allowed, provided the function is self-recoverable or can be restored by the operation of the controls	-
Notes:		

SUMMARY OF TESTING

APPLIED STANDARDS

» **EN 55014-1 (2006) + A1 (2009) + A2 (2011)** — *Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 1: Emission*

» **EN 61000-3-2 (2006) + A1 (2009) + A2 (2009)** — *Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)*

» **EN 61000-3-3 (2008)** — *Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection*

» **EN 55014-2 (1997) + A1 (2001) +A2 (2008)** — *Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus -- Part 2: Immunity - Product family standard*

APPLIED TESTS

Test items	Test methods	Result
Mains Port Disturbance Voltage	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	PASS
Loads Port Disturbance Voltage	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	NA
Discontinuous Disturbance Voltage	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	PASS
Disturbance Power	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	PASS
Radiated Electromagnetic Field (3-loop)	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	NA
Radiated Disturbance (30MHz-1000MHz)	EN 55014-1 (2006) + A1 (2009) + A2 (2011)	NA
Harmonics	EN 61000-3-2 (2006) + A1 (2009) + A2 (2009)	PASS
Flicker	EN 61000-3-3 (2008)	PASS
Electrostatic Discharges	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-2 (2009), Ed.2.0	PASS
Radiated RF Field	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-3 (2008), Ed.3.1	NA
Electric Fast Transients	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-4 (2010), Ed.2.1	PASS
Surge	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-5 (2006), Ed.2.0	PASS
Conducted RF Disturbance	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-6 (2009), Ed.3.0	PASS
Dips/Interruptions	EN 55014-2 (1997) + A1 (2001) + A2 (2008) EN 61000-4-11 (2004), Ed.2.0	PASS

PASS : Tested and complied with the requirements
FAIL : Tested and failed the requirements
NA : Test not relevant to this specimen (evaluated by the test laboratory)
– : Test not performed (instructed by the applicant)
* : An asterisk (*) placed after the verdict in the Result column indicates test items that are not within Nemko's scope of accreditation

: A grid (#) placed after the verdict in the Result column indicates test items that are only partly covered by Nemko's scope of accreditation. Further information is detailed in the test section

DEVIATIONS AND EVALUATIONS

Nemko has not recorded any deviations to the applied standards.
Nemko has made no general evaluations.

Test Results

EMISSION – MAINS PORT DISTURBANCE VOLTAGE

TEST DESCRIPTION

Method
The reference method for this test is listed in the table under clause APPLIED TESTS.

Set-up
The measurements were performed in a shielded enclosure. EuT was connected to an Artificial Mains Network (AMN) and placed on a wooden table 10cm (floor-standing) or 80cm (tabletop) above the grounded floor and 40cm from the reference ground plane (wall). EuT was connected to the AMN by its power cable, which was adjusted to 100cm length by folding.

Procedure
A screening test was first performed to decide the most disturbing operating mode of the EuT, maximizing the cable layout and deciding the proper dwell time for the measurements.

Then measurements were run between each of the current carrying wires of the power cord, and ground.

The frequency was swept in the range specified under Severity.

A comparison of the results obtained from the different wires was then performed to find the highest level at each frequency. This worst-case sweep with peak detector is presented below.

At the frequencies where the peak level of the emission was exceeding the applicable [limit - offset], the emission was also measured with the quasi-peak detector and, if required, with the average detector.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity	
Port:	AC Input Port
Frequency range:	0.15 - 30 MHz
Frequency step:	5 kHz
Dwell time:	20 mSec
Bandwidth:	10 kHz

Conformity	
Verdict:	Pass
Test engineer:	Jørn Gustavsen

CONCLUSION
The EuT complied with the limits specified in the reference standard. Measurement data is presented in the Annex to this report

EMISSION – DISCONTINUOUS DISTURBANCE VOLTAGE

TEST DESCRIPTION

Method
CISPR 16-2-1 Ed.1.1 (2005)
Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements.
CISPR 14-1 (2000) + A1 (2001) + A2 (2002)
Electromagnetic compatibility – Requirements for household appliances, electric tools, and similar apparatus – Part 1: Emission.

Set-up
The measurements were performed in a shielded enclosure. EuT was connected to an Artificial Mains Network (AMN) and placed on a wooden table 10 cm (floor standing) / 80 cm (tabletop) above the grounded floor and 40 cm from the reference ground plane (wall). EuT was connected to the AMN via a 100 cm mains cable.

Procedure
Initially an observation of 40 detected clicks was made (or a maximum of 2 hours), measuring at 150 kHz and 500 kHz with a quasi-peak detector. Each click exceeding the quasi-peak limit was counted and then analysed to decide whether it should be classified as Short Click (T < 20 ms), Long Click (20 ms < T < 200 ms) or Continuous (T > 200 ms).

(Continuous noise lasting for more than 600 ms, accumulated during the whole observation period makes the EuT fail this test.)

Based on the counted value(s) from the observation period, an offset was added to the initial limit values. The calculated CLICK RATE was used to calculate the size of the offset (ref. CISPR 14-1, §7.4.2).

A final measurement was then initiated (with a measurement time of the same length as the observation); measuring clicks at 150 kHz, 500 kHz, 1.4 MHz and 30 MHz with a quasi-peak detector. The final CLICK RATE at each frequency was not allowed to exceed ¼ of the CLICK RATE found during the observation period, when using the new limit values.

Measurements were made between each of the current carrying wires of the power port, and ground.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
		Test engineer:	Jørn Gustavsen

CONCLUSION
The EuT complied with the limits specified in the reference standard. Measurement data is presented in the Annex to this report

EMISSION – DISTURBANCE POWER

TEST DESCRIPTION

Method
The reference method for this test is listed in the table under clause APPLIED TESTS.

Set-up
The measurements were performed in a shielded enclosure. EuT was connected to the end of an automatic "absorbing clamp" slideway. EuT was placed on a wooden table 10 cm (floor standing) / 80 cm (tabletop) above the floor and at least 80 cm from any conductive structure. EuT was placed as close as possible to the absorbing clamp's zero-point (start of slideway) and the mains cable was extended to at least 6 meter length. The mains cable was then lead thru the "absorbing clamp" (which is a current probe followed by 50 cm of highly absorptive ferrite) and along the clamp slideway path.

Procedure
A screening test was first performed to decide the most disturbing operating mode of the EuT and deciding the proper dwell time for the measurements.

A measurement was then run at the clamps zero-point.

The frequency was swept in the range specified under Severity.

At the frequencies where the peak values of the emission were exceeding the applicable [limit - offset], a "maximum search" was performed to find the maximum emitting point along the cable. This was done by moving the clamp along the cable (from 0 to 5 meter) and constantly measures the emission. The clamp was then moved back to the maximum point where the emission was also measured with the quasi-peak detector and, if required, with the average detector.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity	
Port:	AC Input Port
Frequency range:	30 MHz – 300 MHz
Frequency step:	80 kHz
Dwell time:	100 mSec
Bandwidth:	120 kHz

Conformity	
Verdict:	Pass
Test engineer:	Jørn Gustavsen

CONCLUSION
The EuT complied with the limits specified in the reference standard. Measurement data is presented in the Annex to this report

POWER QUALITY – HARMONIC DISTORTION

TEST DESCRIPTION

Method
EN 61000-3-2 (2006)
Electro-magnetic compatibility (EMC) – Part 3-2: Limits – Limits for harmonic current emissions (equipment input current ≤ 16 A per phase).

Set-up
EuT is connected to the Power Analyser system. A steady and undistorted AC mains is supplied to the EuT from a power supply matrix.

Procedure
10 seconds after the energizing of the EuT, the current harmonics is monitored for the time specified below. Measurements are run on all active phases, searching for current harmonics 1st to 40th of the mains frequency (50 Hz or 60 Hz).
An overview of the harmonic emission is presented as numeric and as graphics below.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
Class identifier:	A	Test engineer:	Jørn Gustavsen
Duration:	2,5Min		

CONCLUSION
The EuT complied with the limits specified in the reference standard. Measurement data is presented in the Annex to this report

POWER QUALITY – FLICKER

TEST DESCRIPTION

Method
EN 61000-3-3 (1995) + A1 (2001) + A2 (2005)
Electro-magnetic compatibility (EMC) – Part 3-3: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection.

Set-up
EuT was connected to the Power Analyser system. A steady and undistorted AC mains was supplied to the EuT from an ideal power supply matrix. The power supply provided standardized mains impedance by means of synthetic programmable impedances.

Procedure
Measurements were performed to monitor the required flicker parameters. The measuring time depends on which parameters are measured:

- 2 hours when Long Time Flicker assessment (Plt) is to be made.
- 10 minutes when Short Time Flicker assessment (Pst) is to be made
- 1 or 10 minutes when only Dmax, Dc and Dt is to be assessed (depending on EuT switch-rate)

A measurement table and a graphic presentation of the probability function of Short Time Flicker during this session. (if measured) are presented in the report.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
Duration:	10min	Test engineer:	Jørn Gustavsen

CONCLUSION
The EuT complied with the limits specified in the reference standard. Measurement data is presented in the Annex to this report

IMMUNITY – ELECTROSTATIC DISCHARGES

TEST DESCRIPTION

Method
EN 61000-4-2 (1995) + A1 (1998) + A2 (2001)
Electromagnetic compatibility (EMC) -- Part 4-2: Testing and measurement techniques – Electrostatic discharge immunity test.

Set-up
A ground reference plane is located on the floor, and connected to earth via a low impedance connection. The return cable of the EFT generator is connected to the reference plane.

EuT is placed on a wooden table 10 cm (floor standing) / 80 cm (tabletop) above the reference plane, and all cables attached to the EuT is isolated the same way.

A vertical coupling plane (VCP) of 50x50 cm is placed 10 cm from the EuT's exterior. This VCP is connected to the reference plane via a cable with two 470kΩ resistors located one in each end of the cable.

In case of tabletop equipment, a horizontal coupling plane (HCP) of 160x80 cm is located on the table, and connected to the reference plane the same way as the VCP. EuT is separated from the HCP by a 0.5mm insulating support.

Procedure
Direct contact and air discharges are applied to the EuT enclosure. Indirect contact discharges are applied to the mid edge of the HCP and VCP.

Contact discharges are applied to various selected test points of the EuT at conductive surfaces, and to the HCP and VCP. Air discharges are applied to various selected test points of the EuT at non-conductive surfaces.

Discharges are applied at increasing levels to each test point.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	Enclosure Port	Verdict:	Pass
		Test engineer:	Jørn Gustavsen

DETAILED TEST LOG

Note: The choice of test levels could differ from the procedure, based on the nature of EuT.
Note: An asterisk (*) indicates tests not within the scope of accreditation.
Note: Possible test case performances: <space> = Not tested, or letters indicating level of performance (clause 6.2).

Test Point	Applied Level [kV]	Discharge Type	Discharges per test level	Required Criteria	Complied Criteria	Result
Top Plate	±4, ±8	Air	10	B	A	PASS
Buttons	±4, ±8	Air	10	B	A	PASS
Display	±4, ±8	Air	10	B	A	PASS
HCP	±2, ±4	Contact	10	B	A	PASS
VCP	±2, ±4	Contact	10	B	A	PASS

CONCLUSION

No operation errors were detected during or after the applied test(s)

IMMUNITY – ELECTRIC FAST TRANSIENTS

TEST DESCRIPTION

Method
EN 61000-4-4 (1995) + A1 (2001) + A2 (2001)
Electromagnetic compatibility (EMC) -- Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test.

Set-up
A ground reference plane is located on the floor, and connected to earth via a low impedance connection. The EFT/B generator's reference ground is connected to the reference plane.

EuT is placed on a wooden table 10 cm (floor standing) / 80 cm (tabletop) above the reference plane, and all cables attached to the EuT is isolated the same way.

Procedure
Transients are applied at increasing levels to each single line at the AC or DC mains port using a coupling network, and other remaining ports using a capacitive coupling clamp.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
Duration:	2min	Test engineer:	Jørn Gustavsen

DETAILED TEST LOG

Note: The choice of test levels could differ from the procedure, based on the nature of EuT.
Note: An asterisk (*) indicates tests not within the scope of accreditation.
Note: Possible test case performances: <space> = Not tested, or letters indicating level of performance (clause 6.2).

Port	Applied Level [kV]	Injection Method	Required Criteria	Complied Criteria	Result
AC Input Port (N)	±0.5, ±1	CDN	B	A	PASS
AC Input Port (L1)	±0.5, ±1	CDN	B	A	PASS
AC Input Port (PE)	±0.5, ±1	CDN	B	A	PASS
AC Input Port (All at once)	±0.5, ±1	CDN	B	A	PASS

CONCLUSION
No operation errors were detected during or after the applied test(s)

IMMUNITY – SURGE

TEST DESCRIPTION

Method
EN 61000-4-5 (1995) + A1 (2001)
Electromagnetic compatibility (EMC) -- Part 4-5: Testing and measurement techniques - Surge immunity test.

Set-up
The surge generator is connected to earth via a low impedance connection. No presence of an earth/reference plane is necessary. The surge test is only applicable to AC mains.

Procedure
For each test level and for each wire tested, the surges are applied at different phase angles, usually with 90° steps.

Differential mode surges are applied live-to-neutral and live-to-live, with a source impedance of 2Ω.
Common mode surges are applied line-to-ground and neutral-to-ground, with a source impedance of 12Ω.

The surges are applied with time intervals of 60 seconds.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
Intervals:	60sec	Test engineer:	Jørn Gustavsen

DETAILED TEST LOG

Note: The choice of test levels could differ from the procedure, based on the nature of EuT.
Note: An asterisk (*) indicates tests not within the scope of accreditation.
Note: Possible test case performances: <space> = Not tested, or letters indicating level of performance (clause 6.2).

Wire	Phase angle [deg]	Applied Level [kV]	Tests per level	Required Criteria	Complied Criteria	Result
AC Input Port (N to PE)	0°, 90°, 180°, 270°	±0.5, ±1, ±2	5	B	A	PASS
AC Input Port (L1 to PE)	0°, 90°, 180°, 270°	±0.5, ±1, ±2	5	B	A	PASS
AC Input Port (N to L1)	0°, 90°, 180°, 270°	±0.5, ±1, ±2	5	B	A	PASS

CONCLUSION
No operation errors were detected during or after the applied test(s)

IMMUNITY – CONDUCTED RF DISTURBANCE

TEST DESCRIPTION

Method
EN 61000-4-6 (1996) + A1 (2001)
Electromagnetic compatibility (EMC) -- Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields.

Set-up
The test is performed on a 2 x 2 meter ground reference plane.

EuT is placed on a wooden table 10 cm above the reference plane. Cables for AC mains and cables going to and from support equipment plus interconnecting cables are isolated from the ground plane by a 5 cm isolating support.

Procedure
Disturbance is applied via a coupling/decoupling network (CDN) or a capacitive coupling clamp (EM Clamp) to each port separately.

All ports on EuT not subject to testing are furnished with decoupling networks to achieve 150 Ω termination of the EuT during test. As decoupling networks Nemko use the CDNs normally used to apply the disturbance, the CDNs input port is terminated with a 50 Ω termination to make them act as true decoupling networks.

For AC ports, DC ports, coax lines and 2- or 4-lines balanced communication lines a CDN is used to apply the disturbance. On other multiple signal cables an EM Clamp is used to apply the disturbance.
A signal level/type as specified below is applied in the defined frequency range. The frequency is swept through the range with a step width and a dwell time per frequency as specified below.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity	
Port:	AC Input Port
Frequency range:	0.15 - 230MHz
Step size:	1 %
Dwell time:	3 Sec
Modulation:	80% AM @ 1 kHz

Conformity	
Verdict:	Pass
Test engineer:	Jørn Gustavsen

DETAILED TEST LOG

Note: The choice of test levels could differ from the procedure, based on the nature of EuT.
Note: An asterisk (*) indicates tests not within the scope of accreditation.
Note: Possible test case performances: <space> = Not tested, or letters indicating level of performance (clause 6.2).

Port	Frequency range [MHz]	Applied Level [Vrms]	Injection Method	Required Criteria	Complied Criteria	Result
AC Power Port	0.15 – 230	3	CDN-M3	A	A	PASS

CONCLUSION

No operation errors were detected during or after the applied test(s)

IMMUNITY – DIPS AND INTERRUPTIONS

TEST DESCRIPTION

Method
EN 61000-4-11 (1994) + A1 (2001)
Electromagnetic compatibility (EMC) -- Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests.

Set-up
Only the general laboratory conditions apply. No special requirements are defined for the configuration of the EuT. The AC power input of the EuT is connected to the power simulator system that generates the dips and interruptions.

Procedure
The dips and interruptions were applied at different phase angles, 0°, 90° and 270°. The duration of each dip and interruption is specified below. EuT was given at least 10 seconds periods to recover between each test. The number of tests applied at each phase angle is specified below.

Instruments used during measurement
Instrument lists are found in the Annex for each test session.

Comments
No recorded comments.

Severity		**Conformity**	
Port:	AC Input Port	Verdict:	Pass
Intervals	20sec	Test engineer:	Jørn Gustavsen
Repetitions:	3		

DETAILED TEST LOG

Note: The choice of test levels could differ from the procedure, based on the nature of EuT.
Note: An asterisk (*) indicates tests not within the scope of accreditation.
Note: Possible test case performances: <space> = Not tested, or letters indicating level of performance (clause 6.2).

Voltage Reduction	Voltage Level		Periods	Phase Angle [deg]	Required Criteria	Complied Criteria	Result
	Nominal	Test					
30% Dip	230	161	50	0	C	A	PASS
60% Dip	230	92	10	0	C	A	PASS
100% Interruption	230	0	0.5	0	C	A	PASS

CONCLUSION
No operation errors were detected during or after the applied test(s)

Annexes

UNCERTAINTY FIGURES

	Nemko Norway	Nemko Italy
Mains Port Disturbance Voltage	± 3.8 dB (9 kHz – 150 kHz) ± 3.5 dB (150 kHz – 30 MHz)	± 2.8 dB (9 kHz – 30 MHz)
Discontinuous Disturbance Voltage	± 4.3 dB (150 kHz – 30 MHz)	± 2.8 dB (150 kHz – 30 MHz)
Disturbance Power	± 3.4 dB (30 MHz – 300 MHz)	± 4.0 dB (30 MHz – 300 MHz)
Radiated Disturbance (3 meter)	± 4.8 dB (150 kHz – 30 MHz) ± 4.8 dB (30 MHz – 200 MHz) ± 4.4 dB (200 MHz – 1000 MHz)	 ± 5.2 dB (30 MHz – 200 MHz) ± 4.9 dB (200 MHz – 1000 MHz)
Radiated Disturbance (10 meter)	± 4.1 dB (30 MHz – 200 MHz) ± 4.2 dB (200 MHz – 1000 MHz)	± 5.0 dB (30 MHz – 200 MHz) ± 4.8 dB (200 MHz – 1000 MHz)
Harmonic Current Emissions	± 2.1mA	± 2%
Flicker	± 0.64 V (Dc and Dmax) ± 5 % (Pst and Plt)	± 2%
Electrostatic Discharges	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Radiated RF Field	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Electric Fast Transients	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Surge	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Conducted RF Disturbance	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Power Frequency Magnetic Field	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	
Dips/Interruptions	The instruments specified are subject to periodic calibration. Monthly controls ensure, with 95% confidence level, that the instruments remain within the calibrated levels	

PHOTOS

	
Notes: EuT	Notes: Model EO6400

MEASUREMENTS – ORDER NUMBER 43604

SCOPE OF WORK

Initial tests performed on the P58 family, to qualify all models EO,EV,RO,RV,RV,RV,RE,RB,MO,MV,ME,MB,CE, and CB.

Testing performed on model P58 EO6400

Components qualified this time:

Component	Manufacturer	Model	Conformity
Thermostat	Electrovac	Z98	Tested
Thermostat	Electrovac	Z95	Consider as a variant of Z98
Power PCB	DDS	DDS218A	Tested
Power PCB	EGO	75.13020.303	Tested
Control PCB	PGA	9922	Tested
Energy Regulator	Invensis Siebe	MSA 312-TW	Tested
Commutator	EGO	46.27266.500	Tested

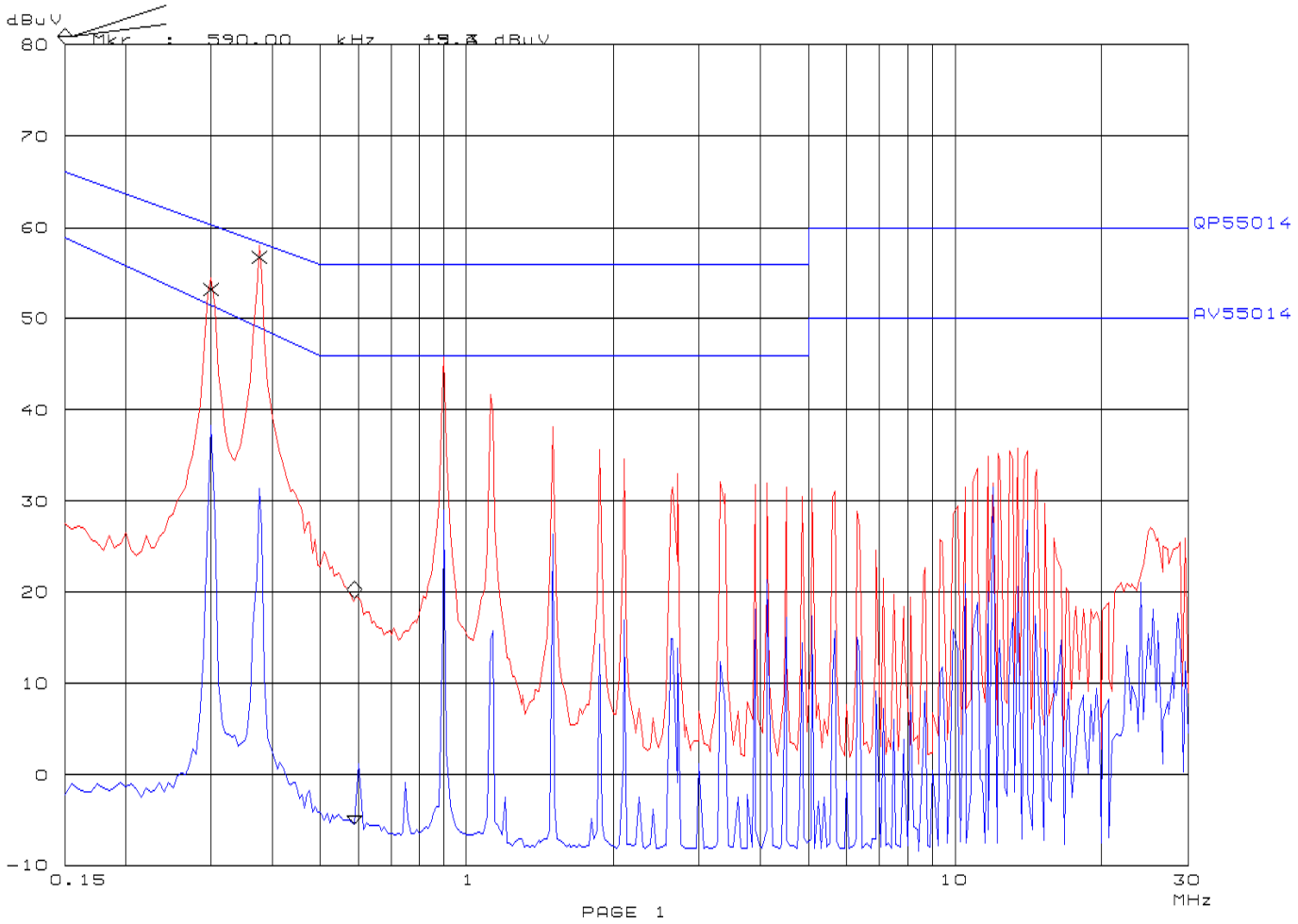
USED TEST EQUIPMENT

Equipment	Manufacturer	Model	Serial N°	Calibration
RF receiver 9 kHz ÷ 30 MHz	R&S	ESHS 30	828765/012	-
LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	881 362/006	-
Shielded room	Siemens	--	009	-
ESD generator	Schaffner	NSG 435	000310	-
RF receiver 20 ÷ 1000 MHz	R&S	ESVS 10	825 475/001	-
Shielded room	Siemens	--	005	-
Clamp controller	Emi Tech	950	1190	-
Absorbing clamp 30 ÷ 1000 MHz	R&S	MDS 21	893 169/001	-
Interference analyzer	Chase	DIA 1512	5039	-
Digital oscilloscope	Yokogawa	DL1540	25WY1600L	-
LISN 9 kHz ÷ 30 MHz	Chase	MN 2050	1524	-
Mains analyzer	EMC Partner	Harmonics 1000	HAR1000-16	-
Transient generator	EMC Partner	Transient 1000	TRA 1000-124	-
AC Power source	HP	6834	3432A-00125	-
RF generator 0.1 ÷ 1000 MHz	R&S	SMG	883717/020	-
Wideband RF amplifier 150 kHz ÷ 300 MHz	Kalmus	210LC	060793-2	-
Coupling/decoupling network	Rohrbacher	CDN 801-M3	60116	-
Mainframe	Schaffner	NSG 200E	00861	-
Burst generator	Schaffner	NSG 225A	1484 9222	-
Pulse generator	Schaffner	NSG 651	172	-
Coupling network	Schaffner	CDN 110	255	-
Thermohygrometer data logger	Testo	175 –H2	20012380	-

MAINS DISTURBANCE VOLTAGE

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	COOK TOP type P58 model E06700
Manuf:	tecnowind
Op Cond:	See relevant paragraph of test report
Operator:	F. Mauri
Test Spec:	EN 55014 1
Comment:	NEUTRAL LINE soluzione finale



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: COOK TOP type P58 model E06700
Manuf: technowind
Op Cond: See relevant paragraph of test report
Operator: F. Mauri
Test Spec: EN 55014 1
Comment: NEUTRAL LINE
soluzione finale

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.30000	53.2	60.2
0.37500	56.8	58.4

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

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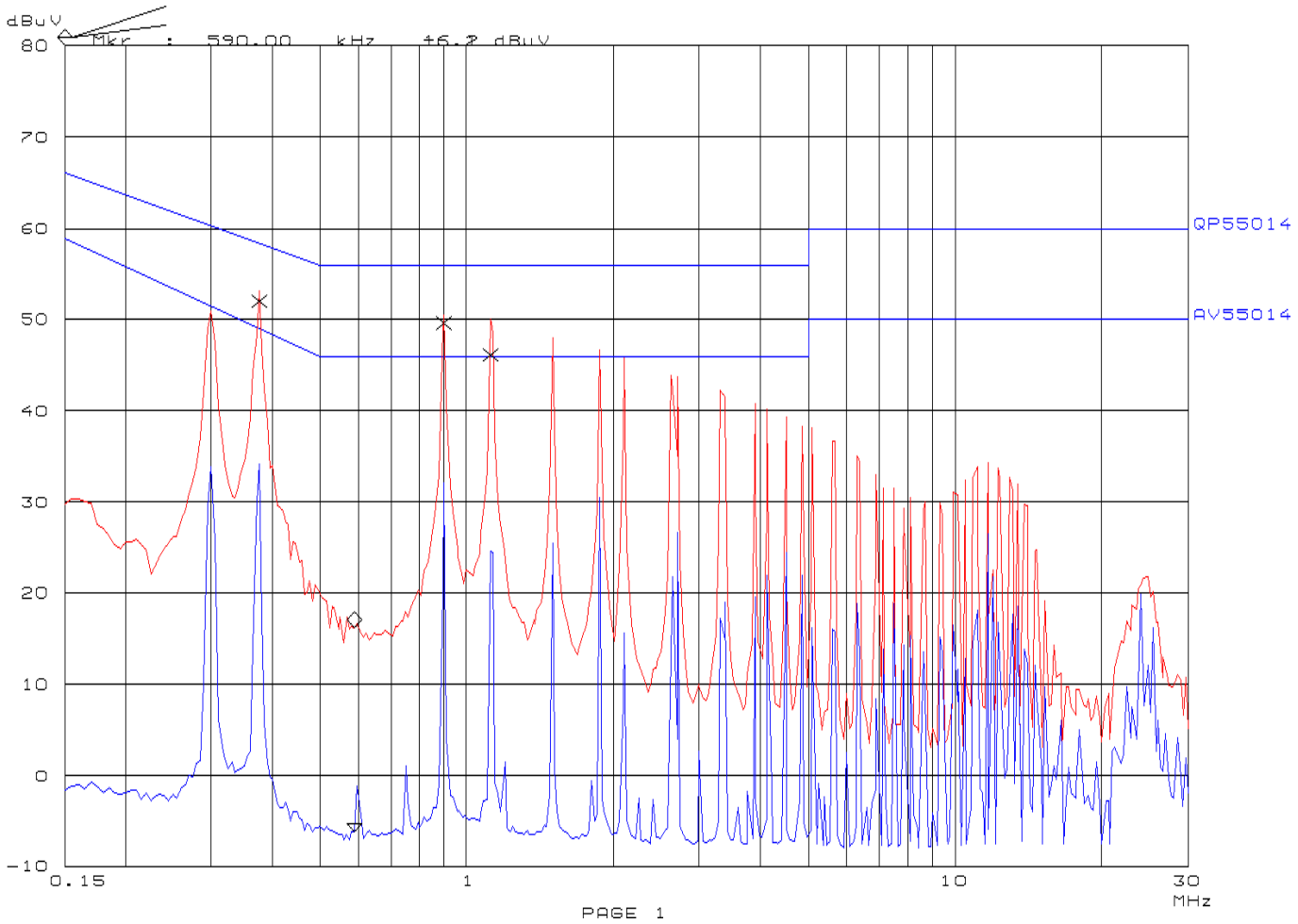
NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: COOK TOP type P58 model E06700
Manuf: tecnowind
Op Cond: See relevant paragraph of test report
Operator: F. Mauri
Test Spec: EN 55014 1
Comment: PHASE LINE
soluzione finale



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: COOK TOP type P58 model E06700
Manuf: technowind
Op Cond: See relevant paragraph of test report
Operator: F. Mauri
Test Spec: EN 55014 1
Comment: PHASE LINE
soluzione finale

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.37500	51.9	58.4
0.90000	49.6	56.0
1.12000	46.1	56.0

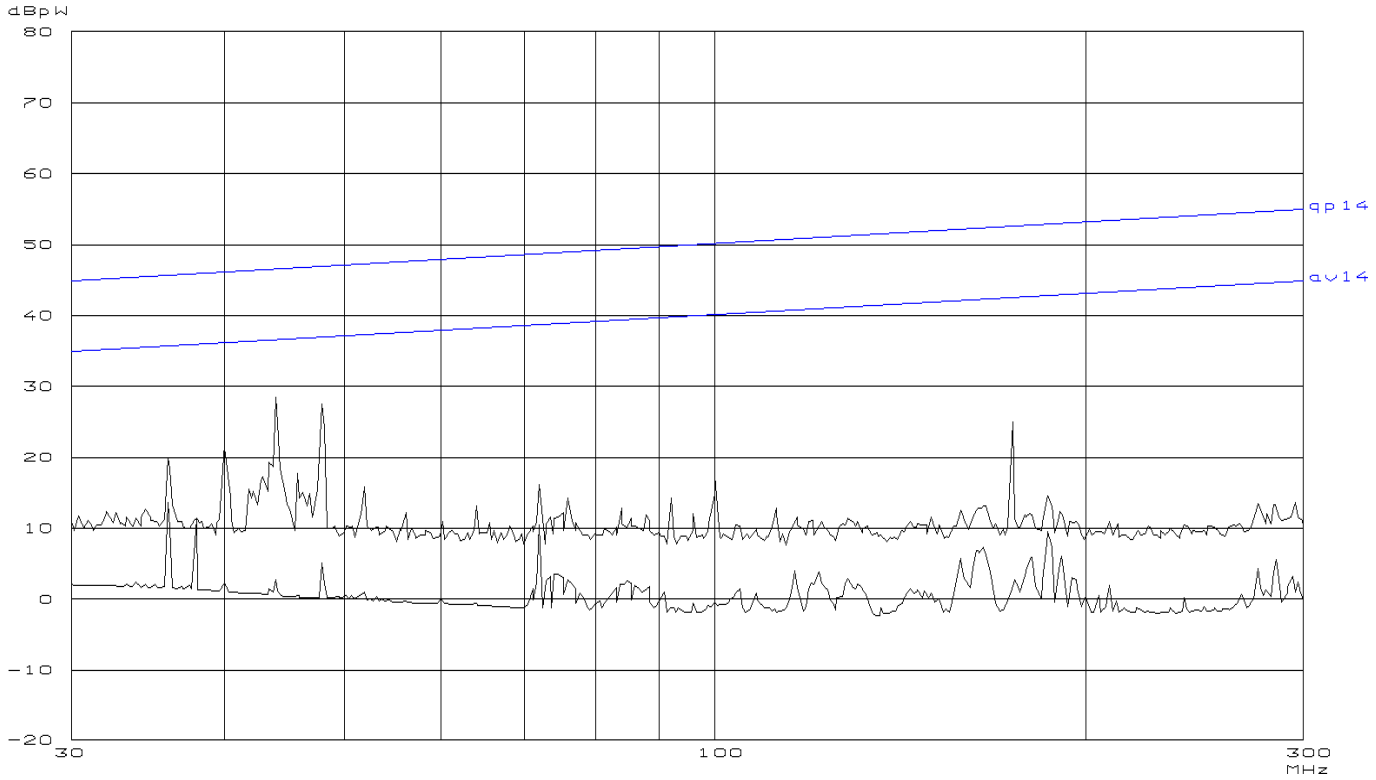
Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

DISTURBANCE POWER

E.U.T.:	P58…… Model EO6700
Manufacturer:	Tecnowind
Op. condition:	See relevant paragraph
Operator:	G. Spinelli
Test Specif.:	EN55014-1
Comment:	Pre scan with clamp at 0cm Max heating



DISCONTINUOUS DISTURBANCE VOLTAGE

First Run (Hob Bottom Right) Operation mode according to clause 7.3.4.1

Frequency	Clicks<10ms	10ms<Clicks<20ms	Clicks>20 ms	Switching operations (n)	Time (T)	Click rate (N)
[MHz]	[No.]	[No.]	[No.]	[No.]	[min]	[No./min]
0,15	39	0	0	40	25	0,80
0,50	40	0	0	40	25	0,80
1,40	17	0	0	40	25	0,80
30,0	0	0	0	40	25	0,80

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

First Run (Hob Top Right) Operation mode according to clause 7.3.4.1

Frequency	Clicks<10ms	10ms<Clicks<20ms	Clicks>20 ms	Switching operations (n)	Time (T)	Click rate (N)
[MHz]	[No.]	[No.]	[No.]	[No.]	[min]	[No./min]
0,15	39	0	0	40	23	0,87
0,50	40	0	0	40	23	0,87
1,40	19	0	0	40	23	0,87
30,0	0	0	0	40	23	0,87

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

First Run (Hob Bottom Left) Operation mode according to clause 7.3.4.1

Frequency	Clicks<10ms	10ms<Clicks<20ms	Clicks>20 ms	Switching operations (n)	Time (T)	Click rate (N)
[MHz]	[No.]	[No.]	[No.]	[No.]	[min]	[No./min]
0,15	36	0	0	40	24	0,83
0,50	40	0	0	40	24	0,83
1,40	20	0	0	40	24	0,83
30,0	0	0	0	40	24	0,83

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

First Run (Hob Top Left) Operation mode according to clause 7.3.4.1

Frequency	Clicks<10ms	10ms<Clicks<20ms	Clicks>20 ms	Switching operations (n)	Time (T)	Click rate (N)
[MHz]	[No.]	[No.]	[No.]	[No.]	[min]	[No./min]
0,15	31	0	0	40	25	0,80
0,50	40	0	0	40	25	0,80
1,40	40	0	0	40	25	0,80
30,0	0	0	0	40	25	0,80

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

HARMONIC DISTORTION

Operation mode: Hobs (Bottom Left)
Remarks: Max heating

Result: ■ - passed
o - not passed

Urms = 228.7V Freq = 49.953 Range: 25 A
Irms = 7.410A Ipk = 10.51A cf = 1.418
P = 1695W S = 1695VA pf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	6.2278		7.1991	97.158		7.4203				228.71
2	100	0.0001	0.0061	0.0031	0.0412	0.2826	0.0214	1.9780	1.0800		0.0982
3	150	0.0007	0.0302	0.0061	0.0824	0.2654	0.0122	0.5307	2.3000		0.0245
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	1.7743	0.4300		0.0000
5	250	0.0000	0.0027	0.0061	0.0824	0.5354	0.0076	0.6692	1.1400		0.1473
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.3963	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.6634	0.2300		0.0000
9	450	0.0000	0.0000	0.0015	0.0206	0.3815	0.0015	0.3815	0.4000		0.0736
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.8293	0.1840		0.0000
11	550	0.0000	0.0000	0.0015	0.0206	0.4624	0.0015	0.4624	0.3300		0.0491
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.9951	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.7266	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1610	0.1314		0.0000
15	750	0.0000	0.0000	0.0015	0.0206	1.0173	0.0015	1.0173	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150		0.0000
17	850	0.0000	0.0000	0.0015	0.0206	1.1529	0.0015	1.1529	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.2885	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0015	0.0206	1.5598	0.0015	1.5598	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs (Bottom Right)
Remarks: Max heating

Result: ■ - passed
o - not passed

Urms = 228.7V Freq = 50.016 Range: 10 A
Irms = 0.029A Ipk = 0.068A cf = 2.333
P = 3.190W S = 6.701VA pf = 0.476
THDi = 4.90 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	3.9737		0.1074	366.67		5.1886				228.71
2	100	0.0001	0.0135	0.0000	0.0000	0.0000	0.0159	1.4694	1.0800		0.0982
3	150	0.0012	0.0501	0.0049	16.667	0.2123	0.0122	0.5307	2.3000		0.0245
4	200	0.0000	0.0016	0.0000	0.0000	0.0000	0.0061	1.4194	0.4300		0.0000
5	250	0.0000	0.0043	0.0037	12.500	0.3212	0.0061	0.5354	1.1400		0.1227
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.8138	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	2.0833	0.0793	0.0031	0.3963	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	0.6104	0.4000		0.0491
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.9951	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.5549	0.3300		0.0491
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.8719	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.8138	0.1500		0.0491
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.1942	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0308	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0245
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1278	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9494	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1942	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.2605	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs (Top Left)
Remarks: Max heating

Result: ■ - passed
o - not passed

Urms =	228.9V	Freq =	49.969	Range:	10 A
Irms =	5.220A	Ipk =	7.417A	cf =	1.421
P =	1195W	S =	1195VA	pf =	1.000
THDi =	0.30 %	THDu =		0.10 %	Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	4.4440		4.2603	81.618		5.2179				228.83
2	100	0.0001	0.0060	0.0061	0.1169	0.5651	0.0165	1.5259	1.0800		0.0982
3	150	0.0007	0.0305	0.0067	0.1286	0.2919	0.0122	0.5307	2.3000		0.0000
4	200	0.0000	0.0000	0.0012	0.0234	0.2839	0.0043	0.9936	0.4300		0.0000
5	250	0.0000	0.0010	0.0061	0.1169	0.5354	0.0073	0.6425	1.1400		0.1227
6	300	0.0000	0.0000	0.0006	0.0117	0.2035	0.0037	1.2207	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0117	0.0793	0.0031	0.3963	0.7700		0.0000
8	400	0.0000	0.0000	0.0006	0.0117	0.2654	0.0018	0.7961	0.2300		0.0000
9	450	0.0000	0.0000	0.0018	0.0351	0.4578	0.0024	0.6104	0.4000		0.0491
10	500	0.0000	0.0000	0.0006	0.0117	0.3317	0.0018	0.9951	0.1840		0.0000
11	550	0.0000	0.0000	0.0012	0.0234	0.3699	0.0018	0.5549	0.3300		0.0491
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0006	0.0117	0.2906	0.0018	0.8719	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0012	0.0234	0.8138	0.0012	0.8138	0.1500		0.0491
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0006	0.0117	0.4612	0.0012	0.9223	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0006	0.0117	0.5154	0.0006	0.5154	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0006	0.0117	0.6239	0.0006	0.6239	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1278	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9494	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1942	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.2605	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.3269	0.0460		0.0000

Operation mode: Hobs (Top Right)
Remarks: Max heating

Result: ■ - passed
o - not passed

Urms =	228.1V	Freq =	49.984	Range:	25 A
Irms =	7.629A	Ipk =	10.82A	cf =	1.418
P =	1738W	S =	1741VA	pf =	0.999
THDi =	0.10 %	THDu =	0.10 %	Class A	

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	7.5915		7.6218	99.900		10.596				228.02
2	100	0.0000	0.0000	0.0031	0.0400	0.2826	0.0153	1.4129	1.0800		0.0982
3	150	0.0004	0.0189	0.0046	0.0600	0.1990	0.1175	5.1084	2.3000		0.0000
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	1.4194	0.4300		0.0000
5	250	0.0003	0.0250	0.0061	0.0800	0.5354	0.0885	7.7632	1.1400		0.0982
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	1.5259	0.3000		0.0000
7	350	0.0001	0.0078	0.0000	0.0000	0.0000	0.0549	7.1340	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.6634	0.2300		0.0000
9	450	0.0000	0.0000	0.0015	0.0200	0.3815	0.0275	6.8665	0.4000		0.0736
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840		0.0000
11	550	0.0000	0.0000	0.0031	0.0400	0.9248	0.0076	2.3119	0.3300		0.0736
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	3.6330	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314		0.0000
15	750	0.0000	0.0000	0.0015	0.0200	1.0173	0.0122	8.1380	0.1500		0.0491
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0076	5.7644	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	2.5770	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	2.8483	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0015	0.0200	1.5598	0.0046	4.6794	0.0978		0.0491
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	3.3908	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.9667	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.1023	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.2380	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.6449	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

VOLTAGE FLUCTUATIONS AND FLICKER

Operation mode: Hobs (Bottom Left)
Remarks: According to clause A.1.1

Result: ■ - passed
o - not passed

Date : 11/07/05 12.16.23 V4.01

Urms = 225.4V Freq = 50.031 Range: 25 A
Irms = 7.300A Ipk = 10.36A cf = 1.420
P = 1645W S = 1645VA pf = 1.000

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

	Pst	dmax [%]	dc [%]	dt>Lim [ms]
1	0.699	1.700	1.500	0.000

Operation mode: Hobs (Bottom Right)
Remarks: According to clause A.1.1

Result: ■ - passed
o - not passed

Date : 11/07/05 12.43.17 V4.01

Urms = 229.1V Freq = 50.000 Range: 10 A
Irms = 0.029A Ipk = 0.059A cf = 2.000
P = 3.190W S = 6.713VA pf = 0.475

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

	Pst	dmax [%]	dc [%]	dt>Lim [ms]
1	0.485	1.290	1.070	0.000

Operation mode: Hobs (Top Left) Result: ■ - passed
Remarks: According to clause A.1.1 o - not passed

Date : 11/07/05 11.37.09 V4.01

Urms = 226.4V Freq = 49.984 Range: 10 A
Irms = 5.146A Ipk = 7.310A cf = 1.420
P = 1164W S = 1165VA pf = 0.999

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

	Pst	dmax [%]	dc [%]	dt>Lim [ms]
1	0.551	1.920	1.070	0.000

Operation mode: Hobs (Top Right) Result: ■ - passed
Remarks: According to clause A.1.1 o - not passed

Date : 11/07/05 12.29.47 V4.01

Urms = 225.2V Freq = 50.016 Range: 25 A
Irms = 7.532A Ipk = 10.69A cf = 1.420
P = 1696W S = 1696VA pf = 1.000

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

	Pst [%]	dmax [%]	dc [ms]	dt>Lim
1	0.551	1.710	1.560	0.000

MEASUREMENTS – ORDER NUMBER 66158

SCOPE OF WORK

The manufacturer has introduced a new thermostat and new control and power PCB, which was tested and qualified for this family.

Testing is performed on model P58 EO6800.

Components qualified this time:

Component	Manufacturer	Model	Conformity
Thermostat	Electrovac	Z98	Tested
Thermostat	Electrovac	Z95	Consider as a variant of Z98
Control PCB	EIKA	8A 1..0 360....or 8B.1..0 360...	Tested
Control PCB	DIEHL	TC-4SE-Z-XX-YY-105 U230	Tested
Power PCB	EGO	75.13020.303	Tested

USED TEST EQUIPMENT

Equipment	Manufacturer	Model	Serial N°	Calibration
RF receiver 9 kHz ÷ 30 MHz	R&S	ESHS 30	828765/012	-
LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	881 362/006	-
Shielded room	Siemens	--	009	-
ESD generator	Schaffner	NSG 435	000310	-
RF receiver 20 ÷ 1000 MHz	R&S	ESVS 10	825 475/001	-
Shielded room	Siemens	--	005	-
Clamp controller	Emi Tech	950	1190	-
Absorbing clamp 30 ÷ 1000 MHz	R&S	MDS 21	893 169/001	-
Interference analyzer	Chase	DIA 1512	5039	-
Digital oscilloscope	Yokogawa	DL1540	25WY1600L	-
LISN 9 kHz ÷ 30 MHz	Chase	MN 2050	1524	-
Mains analyzer	EMC Partner	Harmonics 1000	HAR1000-16	-
Transient generator	EMC Partner	Transient 1000	TRA 1000-124	-
AC Power source	HP	6834	3432A-00125	-
RF generator 0.1 ÷ 1000 MHz	R&S	SMG	883717/020	-
Wideband RF amplifier 150 kHz ÷ 300 MHz	Kalmus	210LC	060793-2	-
Coupling/decoupling network	Rohrbacher	CDN 801-M3	60116	-
Mainframe	Schaffner	NSG 200E	00861	-
Burst generator	Schaffner	NSG 225A	1484 9222	-
Pulse generator	Schaffner	NSG 651	172	-
Coupling network	Schaffner	CDN 110	255	-
Thermohygrometer data logger	Testo	175 –H2	20012380	-

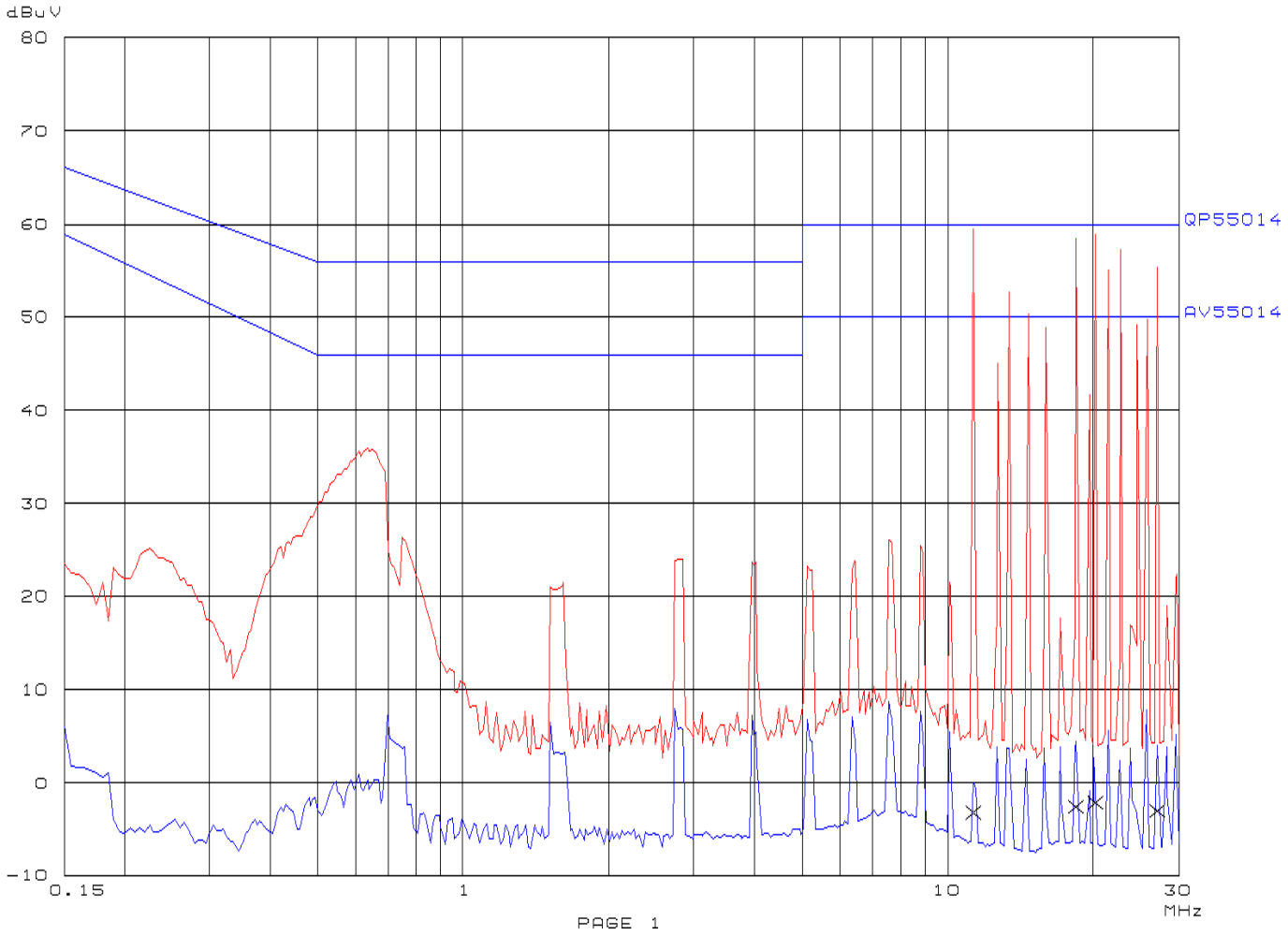
MAINS DISTURBANCE VOLTAGE

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at minimum heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 08:17

CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at min level



NEMKO S.p.A. PT Dpt. 30. May 06 08:17

CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at min level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
11.30000	-3.2	60.0
18.44000	-2.5	60.0
20.24000	-2.0	60.0
27.18000	-2.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

PAGE 2

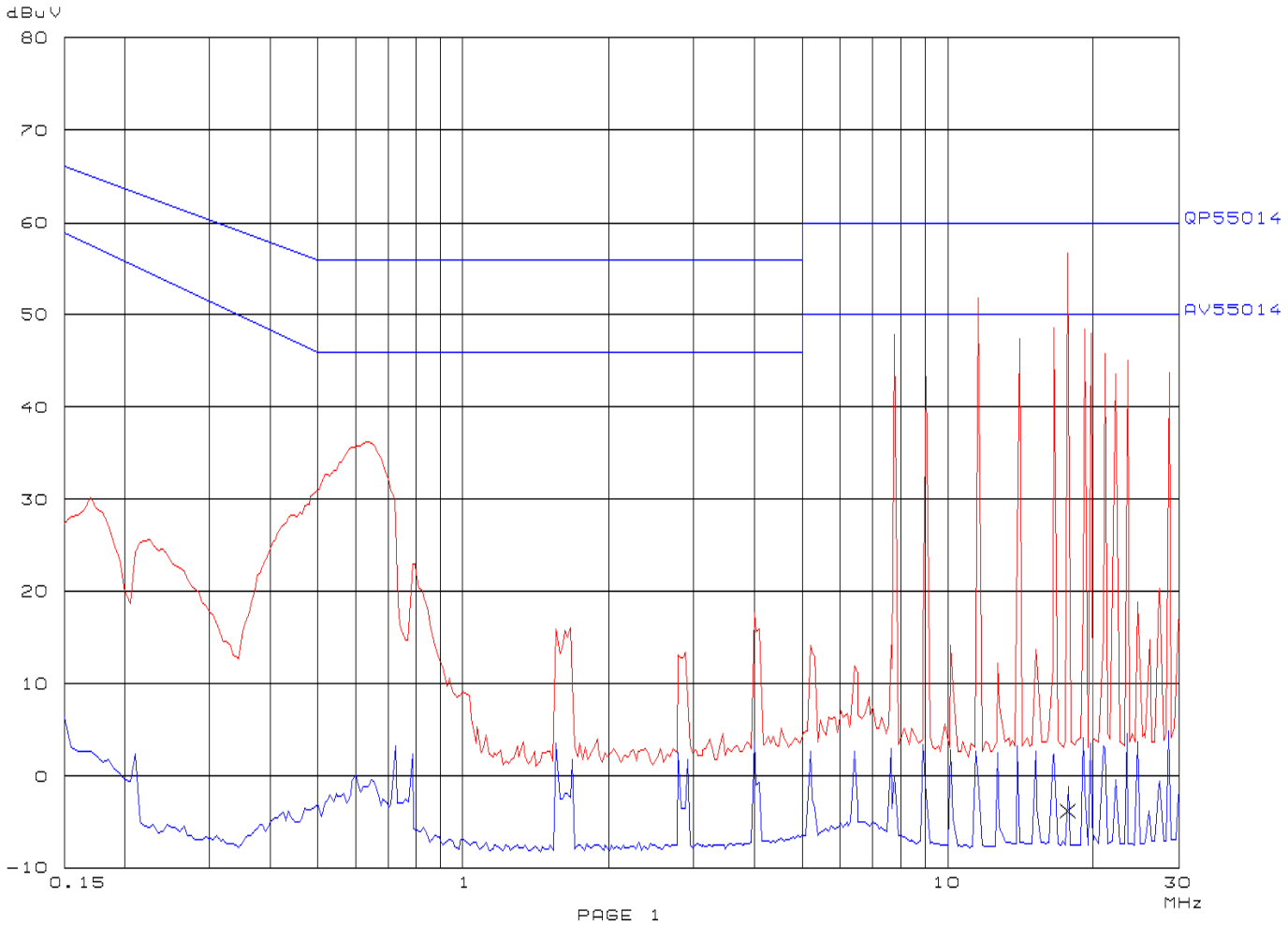
File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at minimum heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 08:28

CONDUCTED EMISSION ON AC MAINS PORT

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at min level



NEMKO S.p.A. PT Dpt. 30. May 06 08:28
CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line
Hobs at min level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
17.72000	-3.8	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

PAGE 2

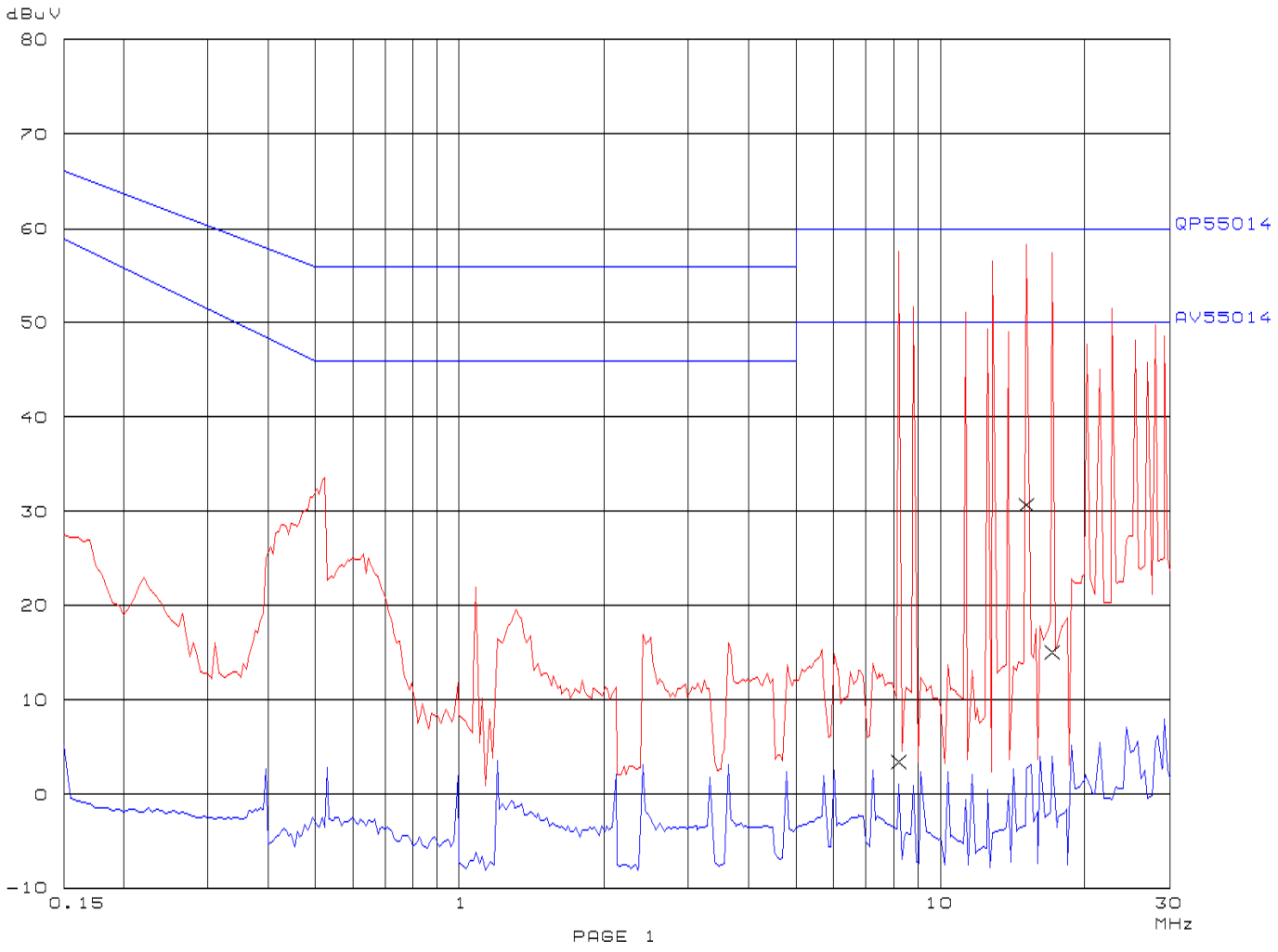
File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at medium heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 08:38

CONDUCTED EMISSION ON AC MAINS PORT

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at medium level



NEMKO S.p.A. PT Dpt. 30. May 06 08:38

CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line
Hobs at medium level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
8.21000	3.4	60.0
15.11000	30.6	60.0
17.09000	15.0	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

PAGE 2

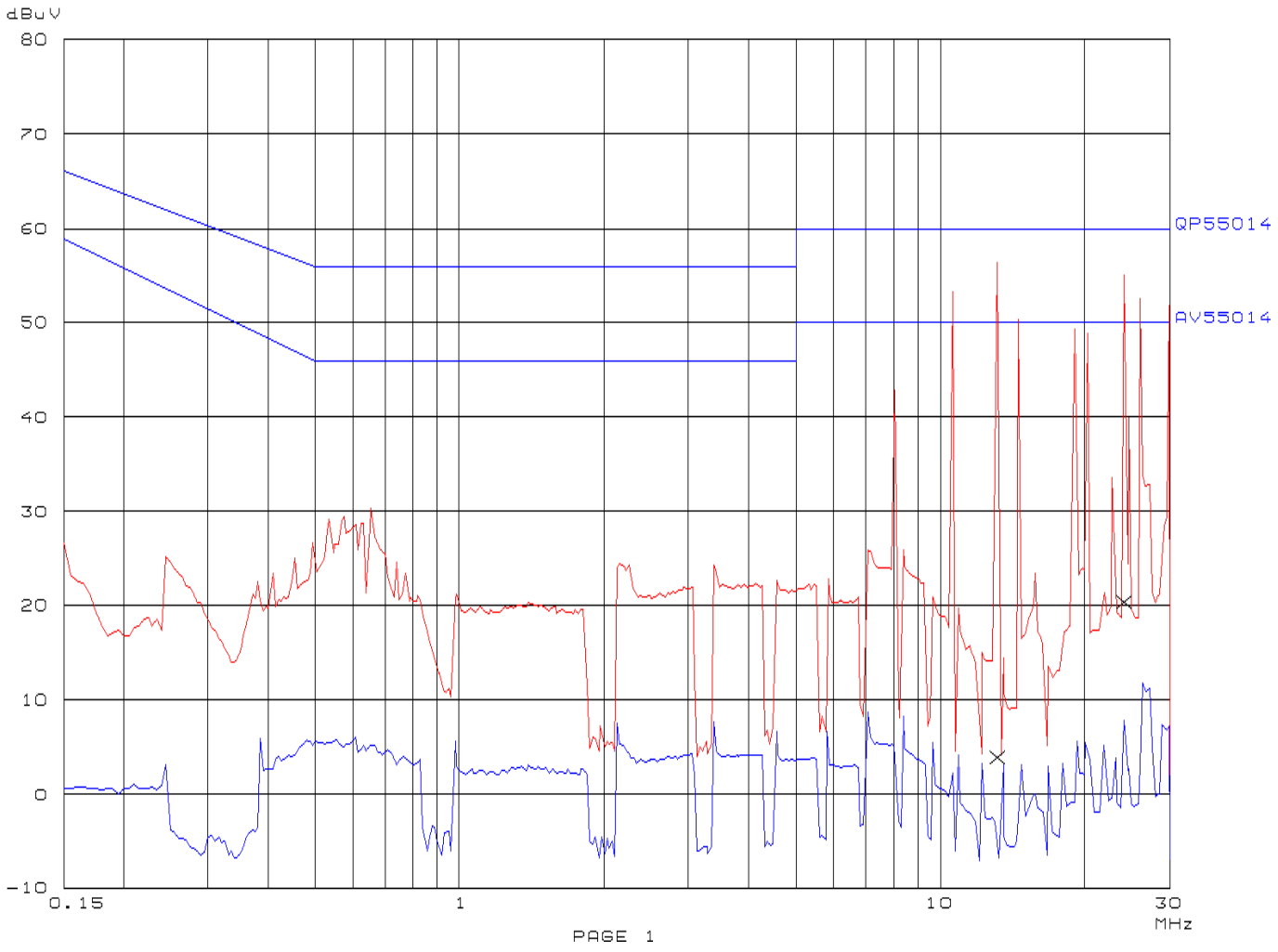
File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at medium heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 08:45

CONDUCTED EMISSION ON AC MAINS PORT

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	Hobs at medium level



NEMKO S.p.A. PT Dpt. 30. May 06 08:45
CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at medium level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
13.18000	4.0	60.0
24.13000	20.4	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

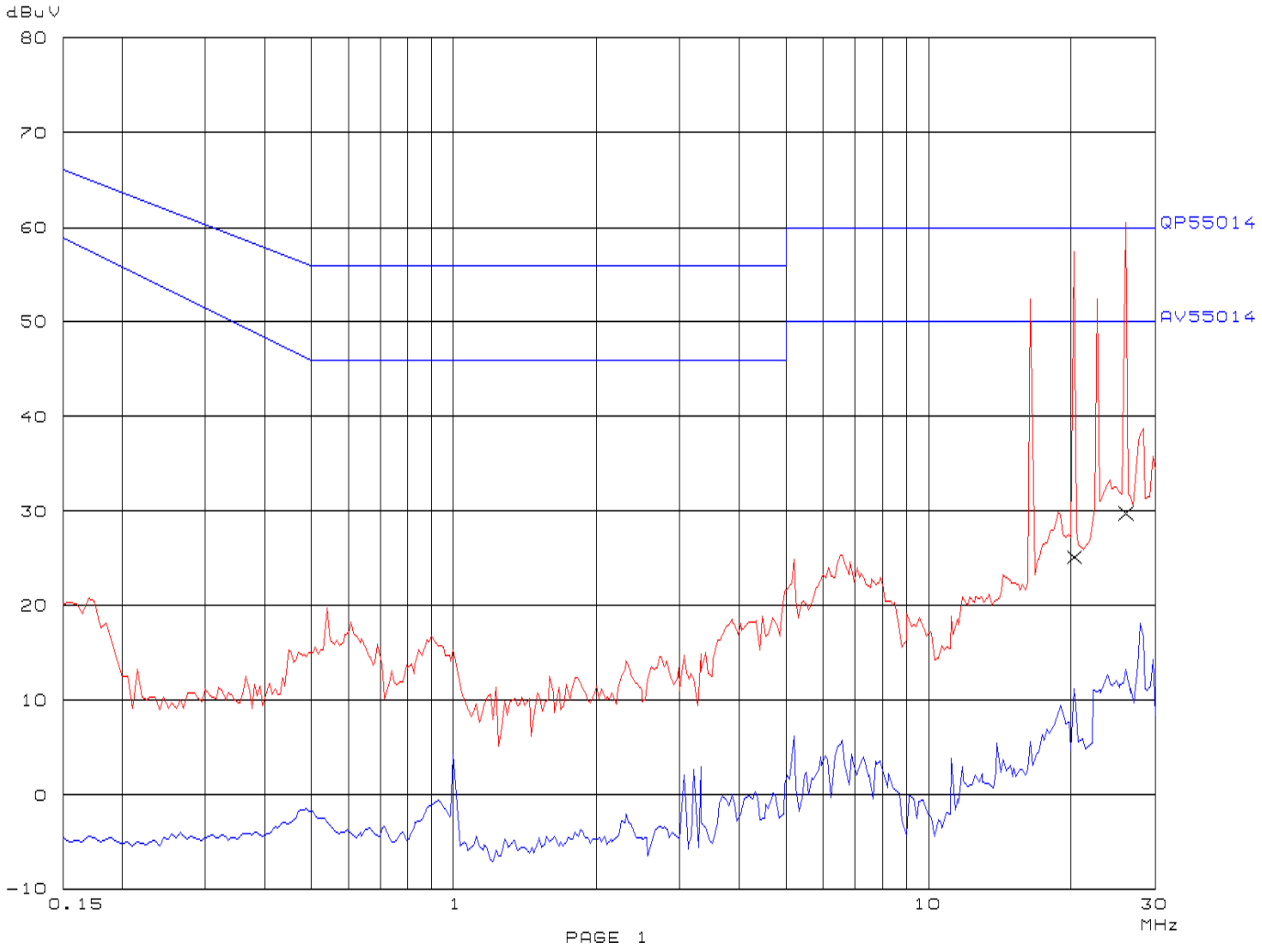
PAGE 2

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 09:11

CONDUCTED EMISSION ON AC MAINS PORT

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at max level



NEMKO S.p.A. PT Dpt. 30. May 06 09:11
CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line
Hobs at max level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
20.26000	25.0	60.0
26.02000	29.7	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

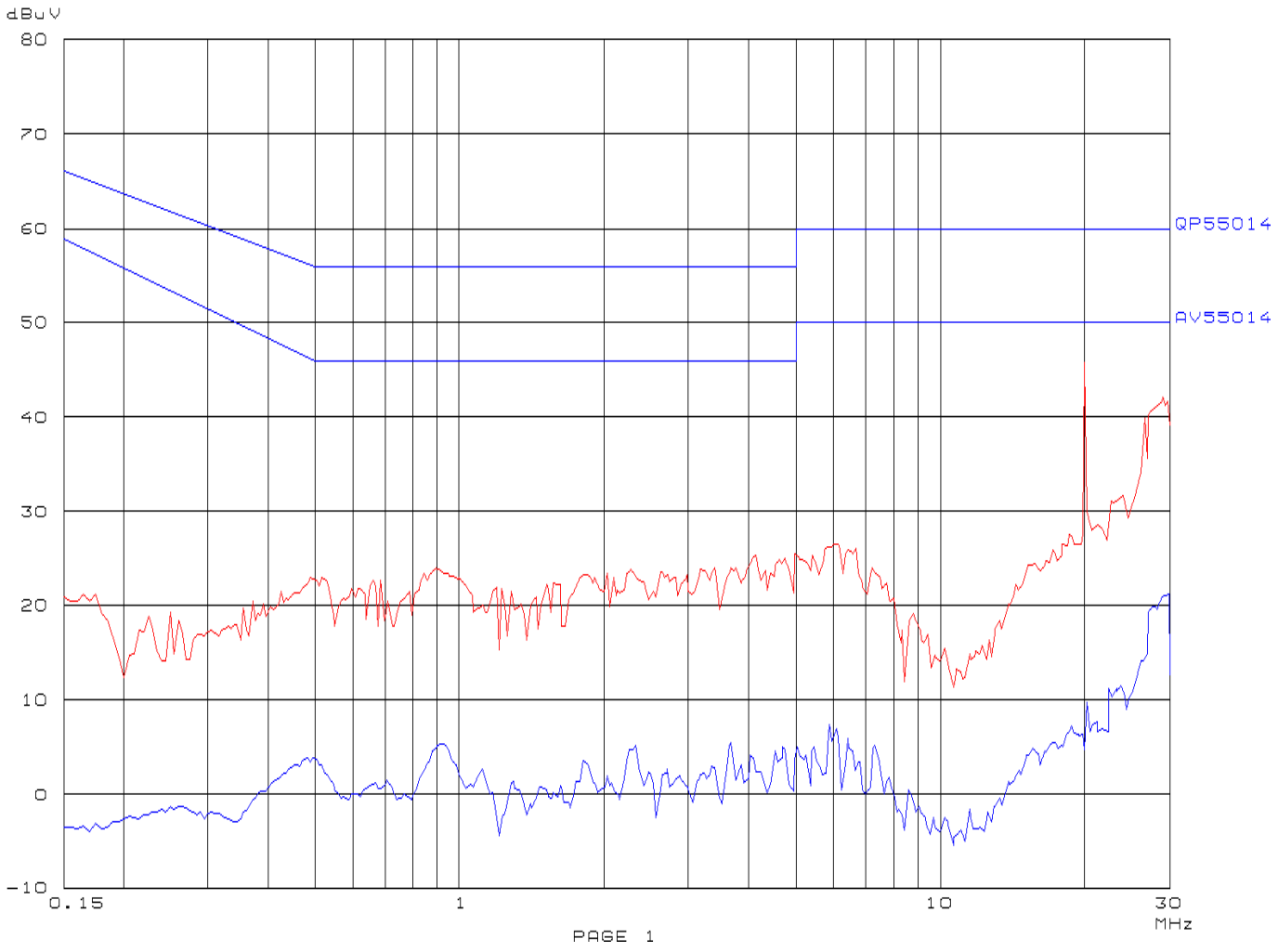
PAGE 2

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EIKA electronic control	

NEMKO S.p.A. PT Dpt. 30. May 06 09:04

CONDUCTED EMISSION ON AC MAINS PORT

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line Hobs at max level



NEMKO S.p.A. PT Dpt. 30. May 06 09:04
CONDUCTED EMISSION ON AC MAINS PORT

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at max level

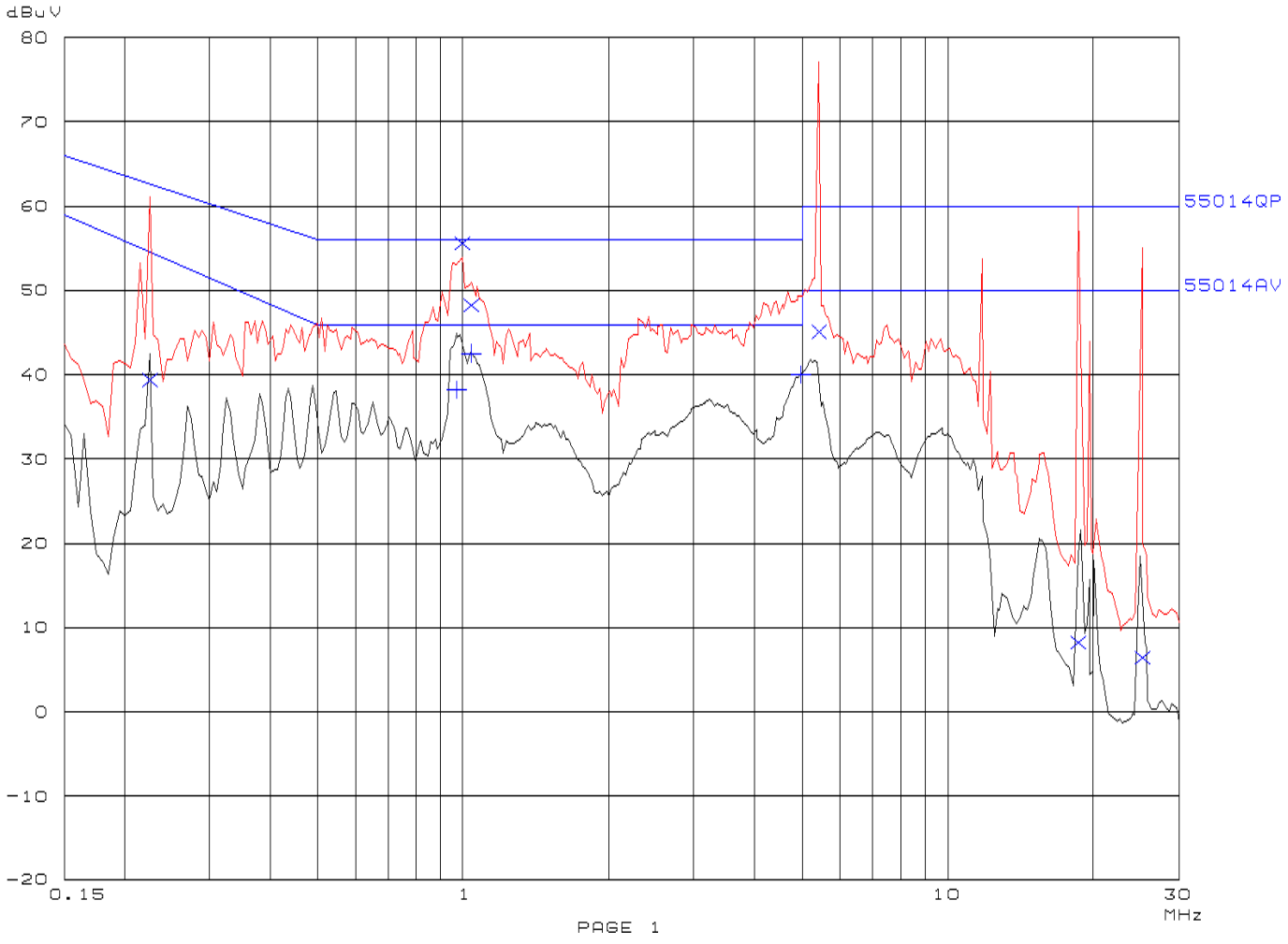
Final Measurement Results:

no Results

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at minimum heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at min heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at min heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.22500	39.3	62.7
0.99500	55.5	56.0
1.040000	48.2	56.0
5.420000	45.1	60.0
18.610000	8.2	60.0
25.240000	6.4	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.97000	38.2	46.0
1.040000	42.5	46.0
4.98000	39.9	46.0

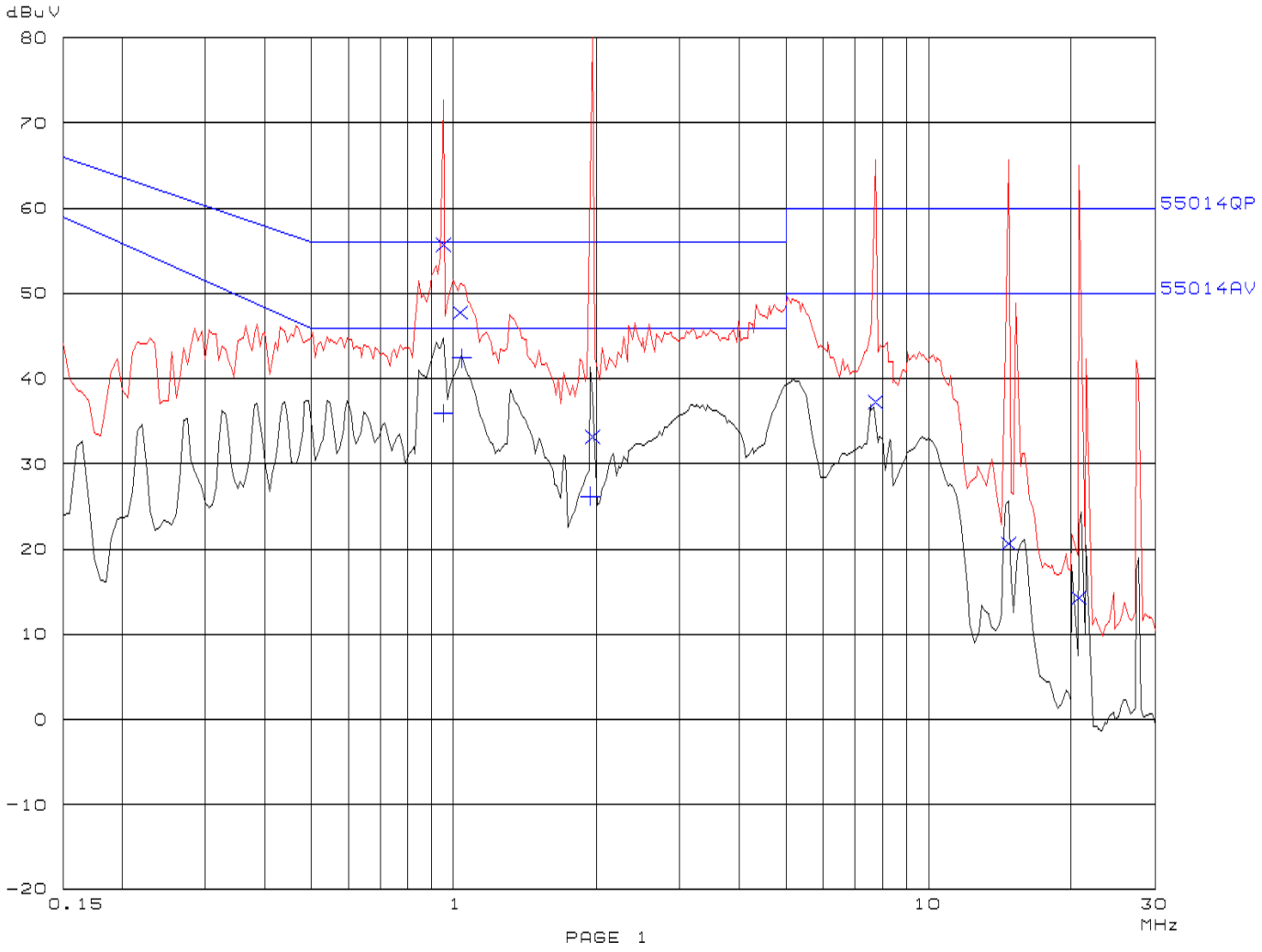
* limit exceeded

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at minimum heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	Hobs at min heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: P58 ..6800
Manuf: Tecnowind
Op Cond: See test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at min heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.95000	55.7	56.0
1.03000	47.6	56.0
1.96000	33.1	56.0
7.75000	37.1	60.0
14.79000	20.5	60.0
20.82000	14.2	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.95000	35.9	46.0
1.04000	42.4	46.0
1.94000	26.1	46.0

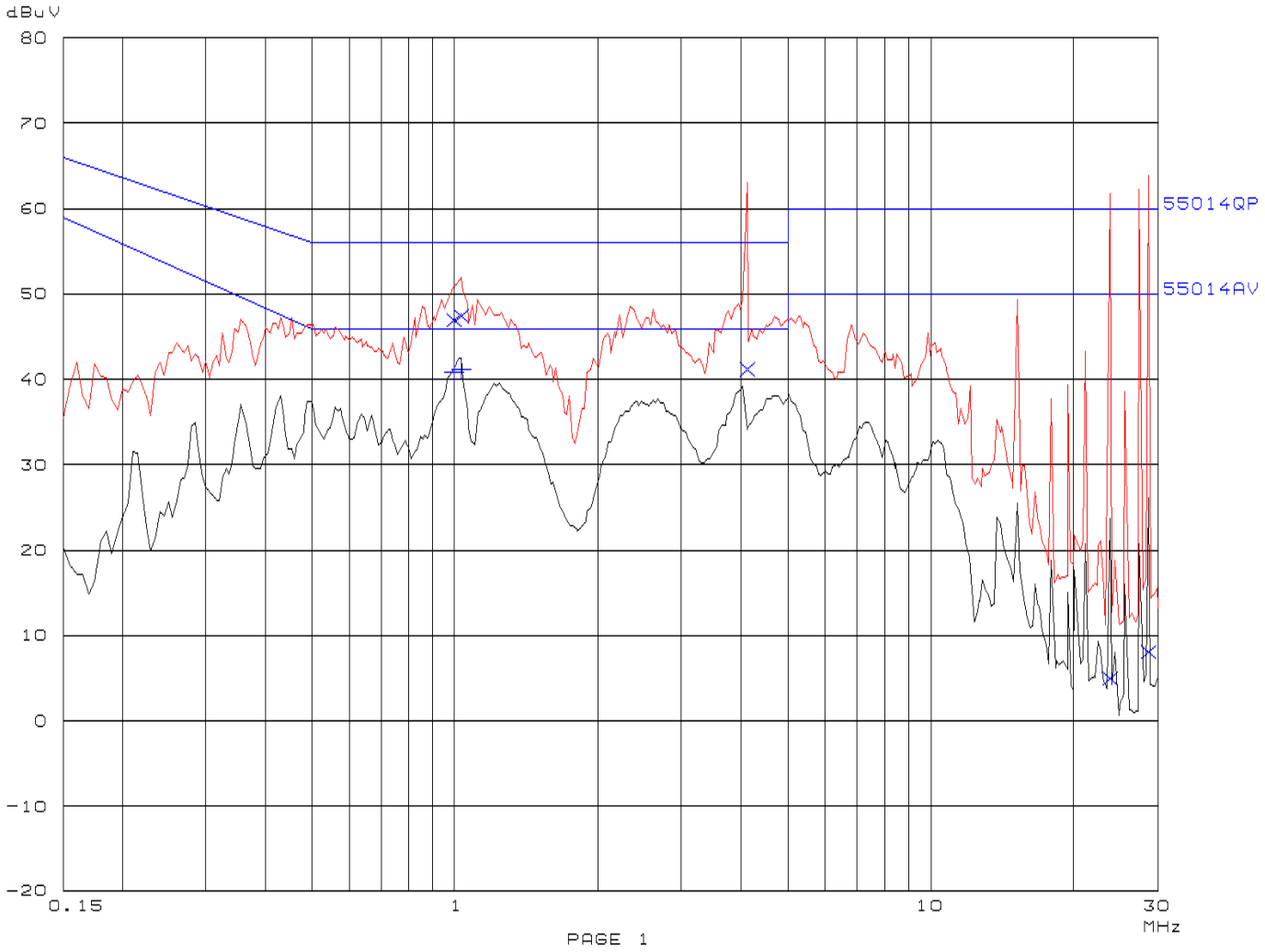
* limit exceeded

File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at medium heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at med heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at med heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.99500	46.9	56.0
1.03000	47.5	56.0
4.11000	41.1	56.0
23.91000	4.8	60.0
28.78000	8.1	60.0

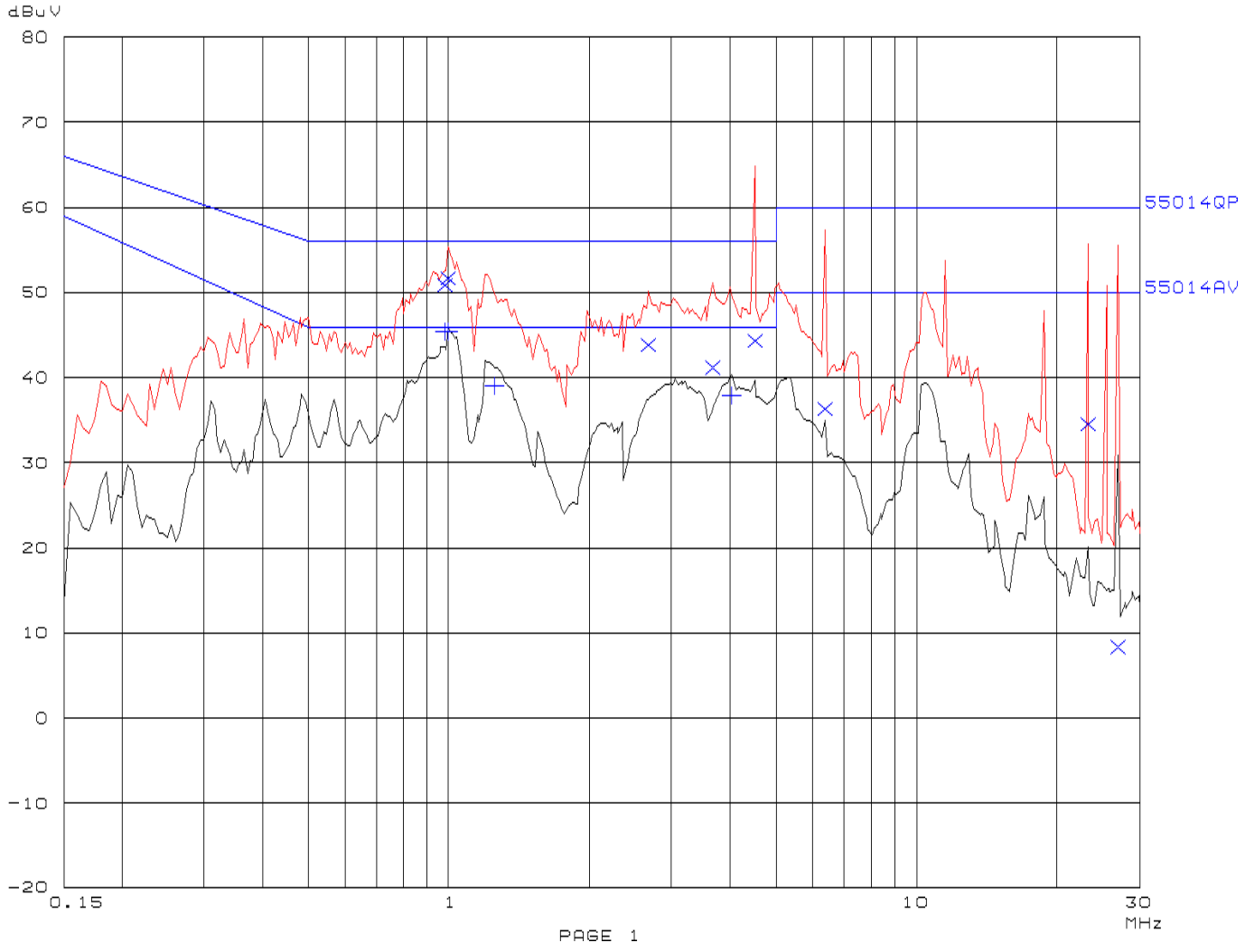
Frequency MHz	AV Level dBuV	AV Limit dBuV
0.99500	40.9	46.0
1.03000	41.1	46.0

* limit exceeded

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at medium heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	Hobs at med heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: P58 ..6800
Manuf: Tecnowind
Op Cond: See test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at med heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.98000	50.8	56.0
1.00000	51.6	56.0
2.66000	43.8	56.0
3.66000	41.1	56.0
4.50000	44.3	56.0
6.38000	36.3	60.0
23.29000	34.5	60.0
26.97000	8.3	60.0

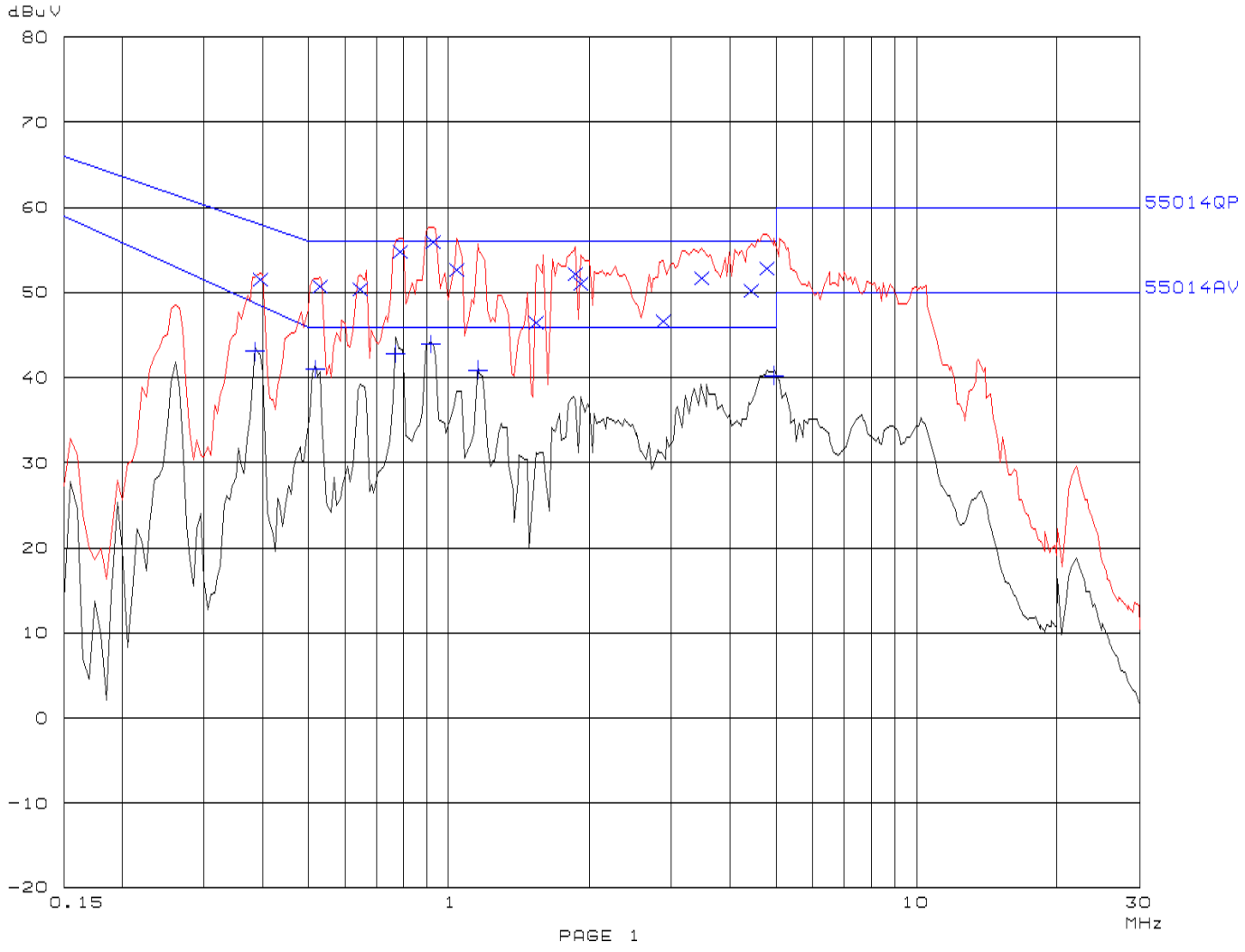
Frequency MHz	AV Level dBuV	AV Limit dBuV
0.98000	45.4	46.0
1.00000	45.4	46.0
1.25000	39.0	46.0
4.03000	37.8	46.0

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line
	Hobs at max heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: P58 ..6800
Manuf: Tecnowind
Op Cond: See test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line
Hobs at max heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.39500	51.5	57.9
0.53000	50.7	56.0
0.64500	50.4	56.0
0.78500	54.8	56.0
0.92500	55.9	56.0
1.04000	52.6	56.0
1.54000	46.5	56.0
1.86000	52.2	56.0
1.92000	51.0	56.0
2.87000	46.5	56.0
3.47000	51.6	56.0
4.43000	50.2	56.0
4.77000	52.8	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.38500	43.0	48.8
0.52000	41.0	46.0
0.77000	42.7	46.0
0.91500	43.8	46.0
1.15000	40.8	46.0
4.96000	40.2	46.0

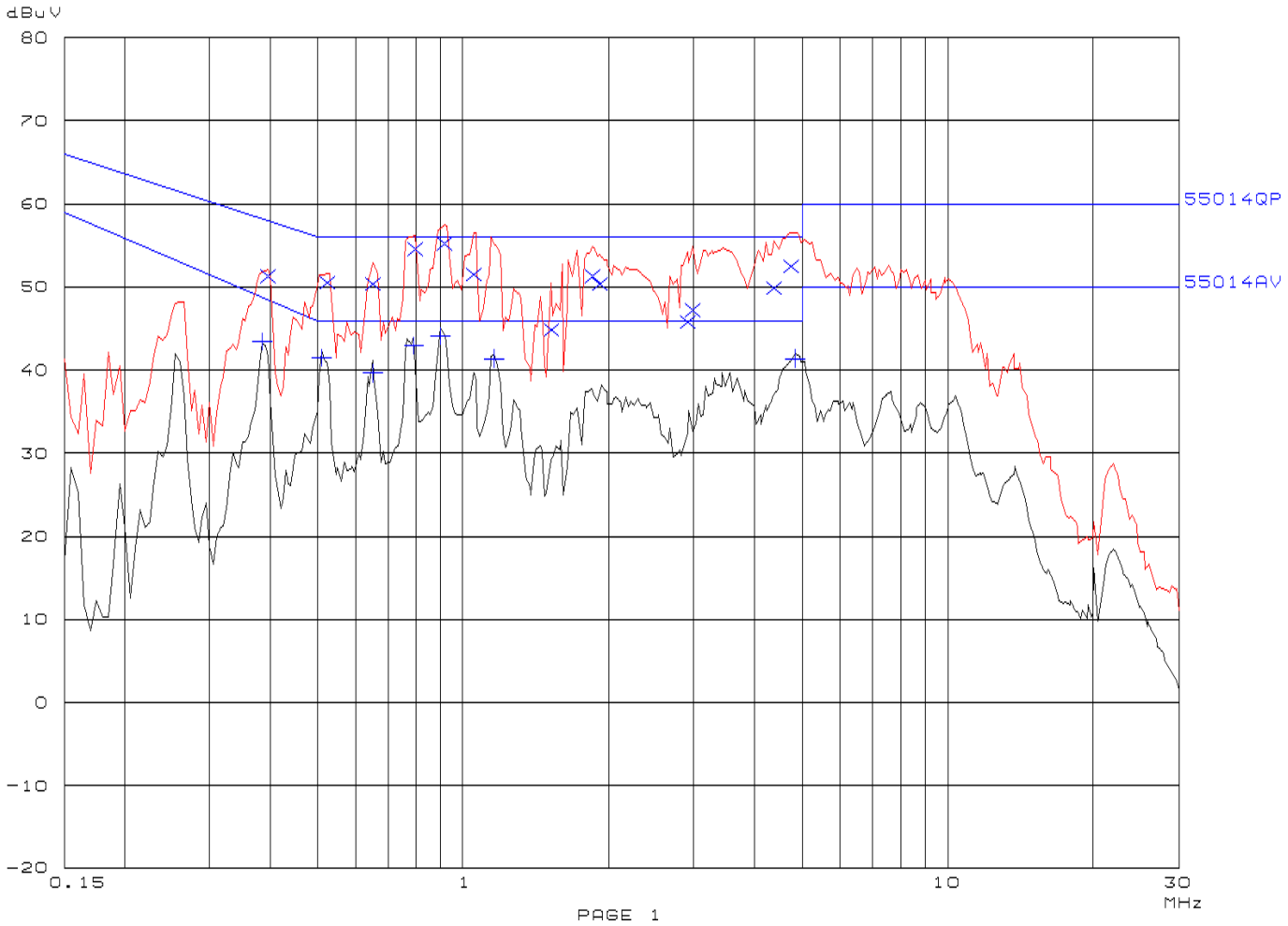
* limit exceeded

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL electronic control	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	P58 ..6800
Manuf:	Tecnowind
Op Cond:	See test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	Hobs at max heating level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: P58 ..6800
Manuf: Tecnowind
Op Cond: See test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Hobs at max heating level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.39500	51.3	57.9
0.52500	50.4	56.0
0.65000	50.3	56.0
0.79500	54.5	56.0
0.91500	55.2	56.0
1.05000	51.5	56.0
1.52000	44.8	56.0
1.85000	51.3	56.0
1.92000	50.4	56.0
2.90000	45.8	56.0
2.98000	47.1	56.0
4.39000	49.8	56.0
4.75000	52.5	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
0.38500	43.3	48.8
0.51000	41.5	46.0
0.65000	39.6	46.0
0.79000	42.9	46.0
0.90000	44.1	46.0
1.16000	41.4	46.0
4.84000	41.4	46.0

* limit exceeded

PAGE 2

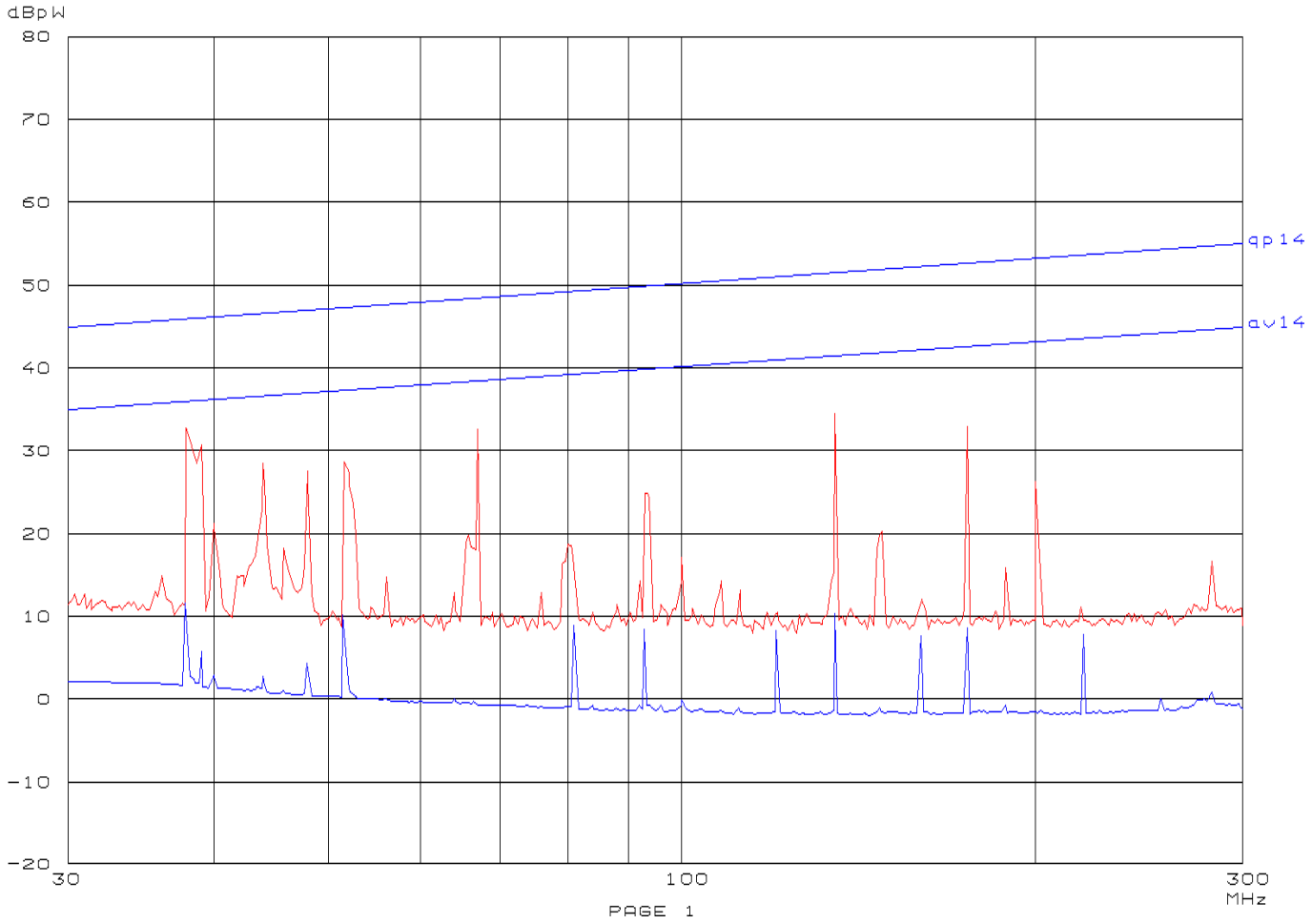
DISTURBANCE POWER

Test point: AC power line
Operation mode: Hobs at minimum heating level
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at min level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at min level

Final Measurement Results:

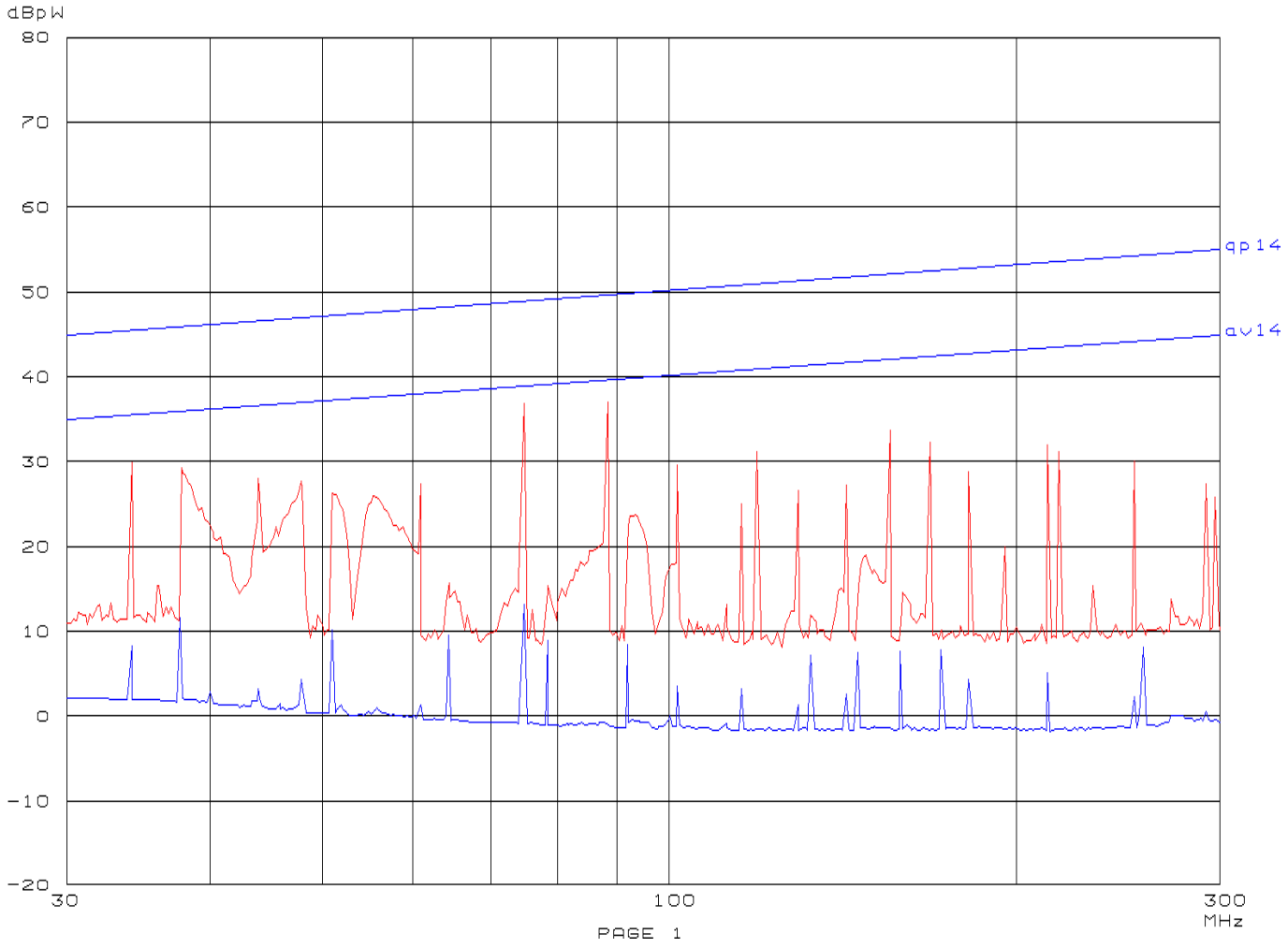
no Results

Test point: AC power line
Operation mode: Hobs at medium heating level
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at med level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at med level

Final Measurement Results:

no Results

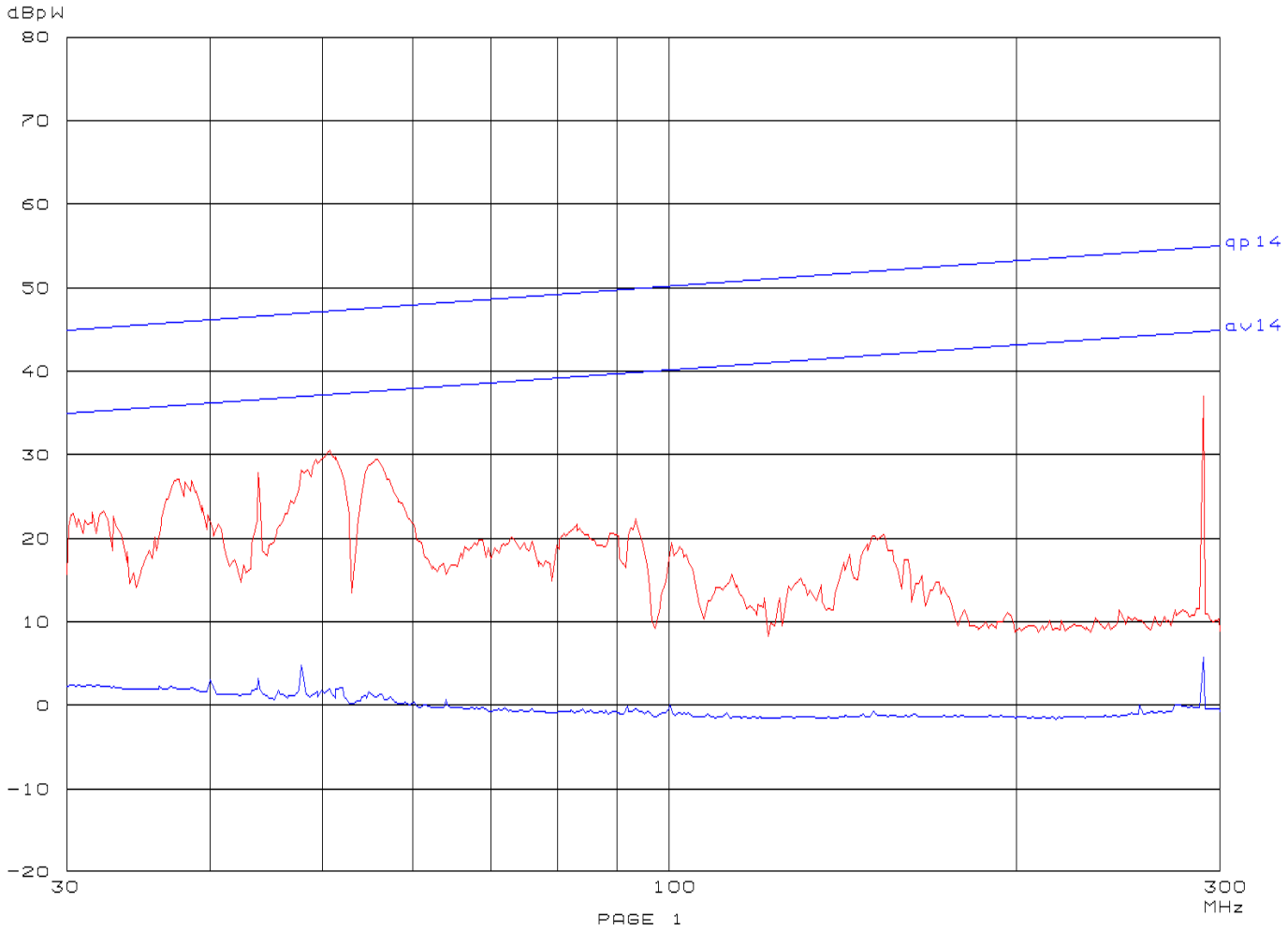
PAGE 2

Test point: AC power line
Operation mode: Hobs at maximum heating level
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at max level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at max level

Final Measurement Results:

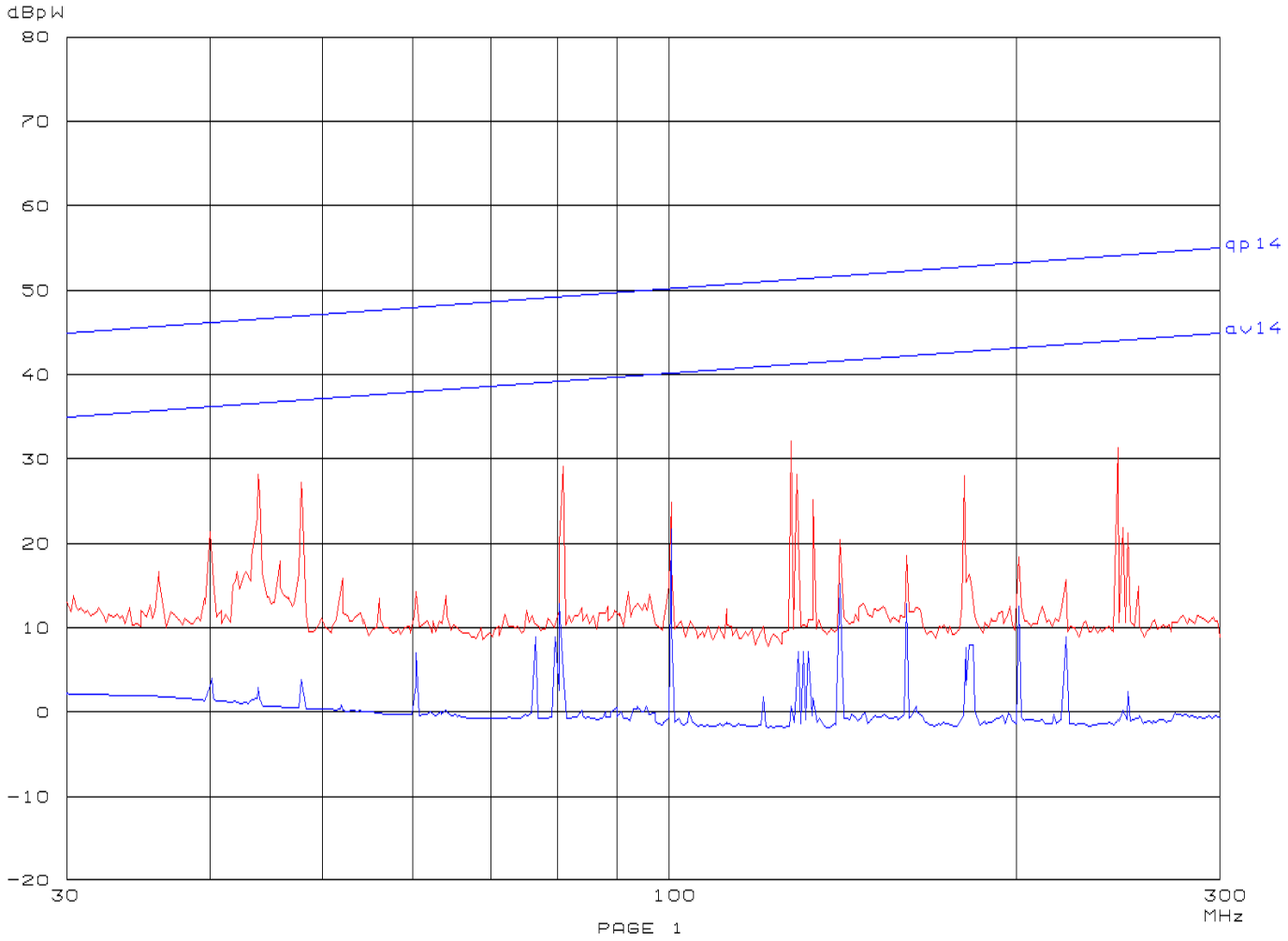
no Results

Test point: AC power line
Operation mode: Hobs at minimum heating level
Remarks: DIEHL electronic board

Result: ■ - passed
o - not passed

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800 (Dihel electronic board)
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at min level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800 <Dihel electronic board>
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at min level

Final Measurement Results:

no Results

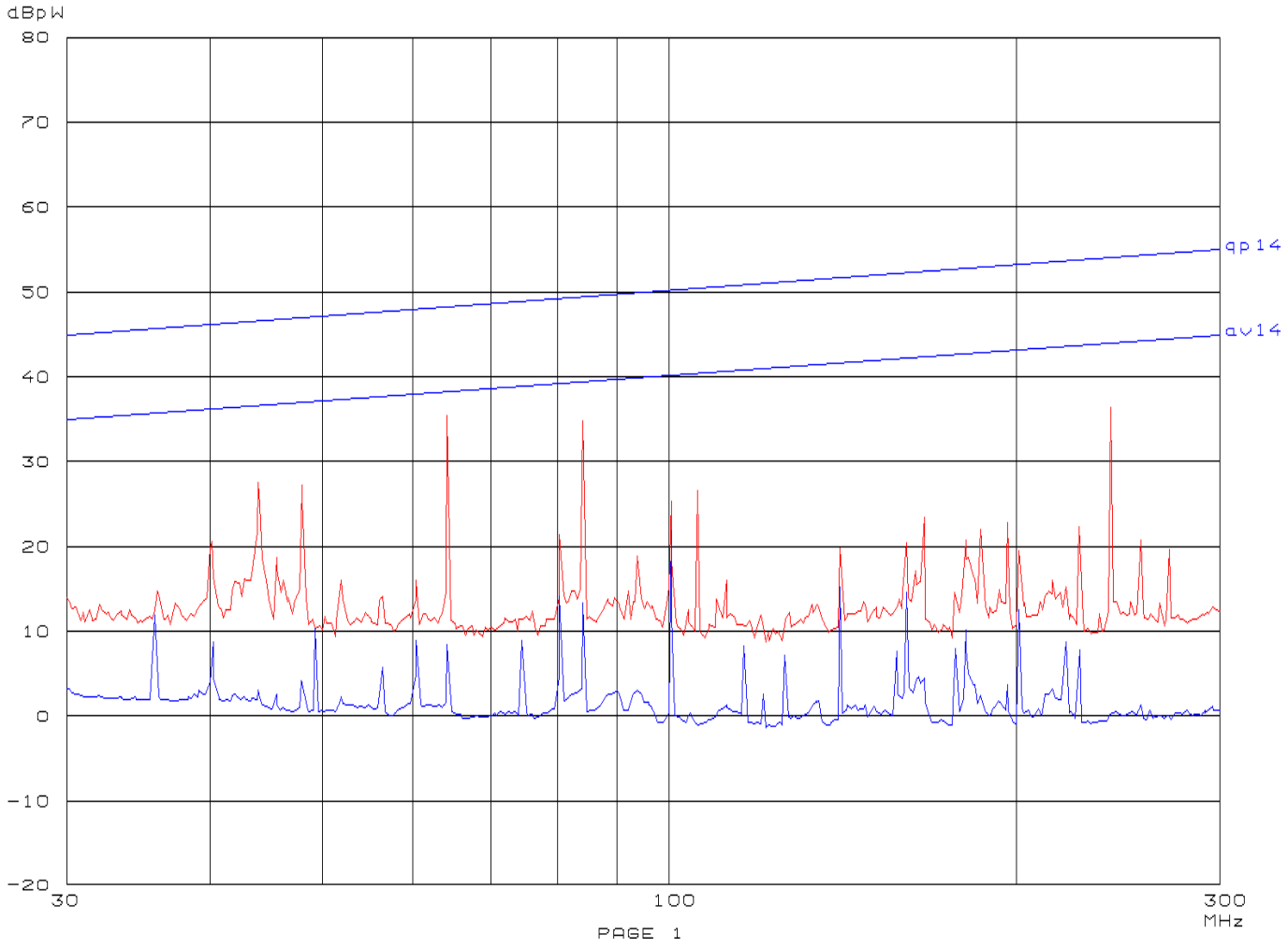
PAGE 2

Test point: AC power line
Operation mode: Hobs at medium heating level
Remarks: DIEHL electronic board

Result: ■ - passed
o - not passed

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800 (Dihel electronic board)
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at med level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800 <Dihel electronic board>
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at med level

Final Measurement Results:

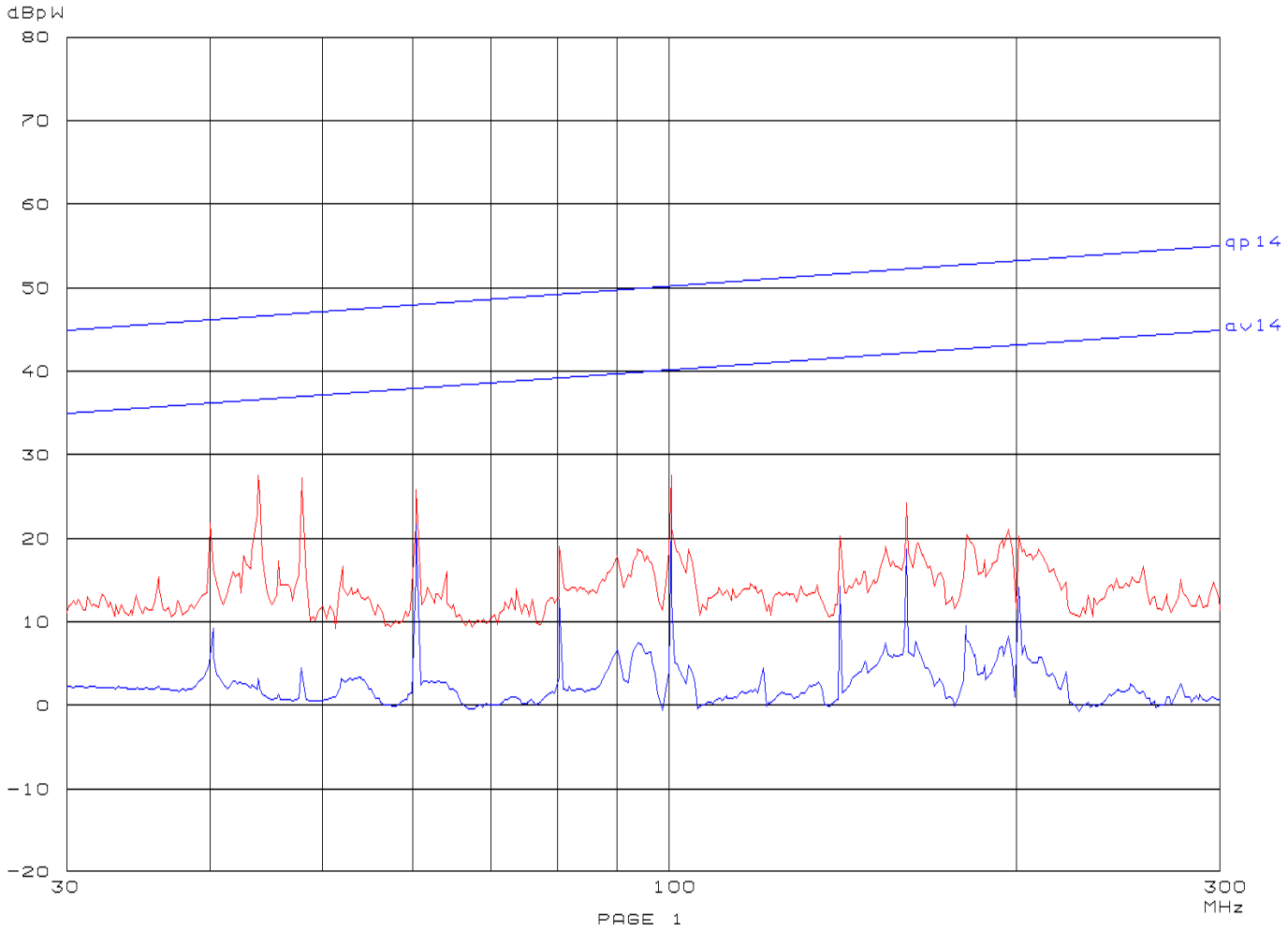
no Results

PAGE 2

Test point:	AC power line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL electronic board	

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT: P58 ..6800 <Dihel electronic board>
Manuf: TECNOWIND
Op Cond: See relevant paragraph of test report.
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Clamp at 0 cm
Hobs at max level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER

EUT:	P58 ..6800 (Dihel electronic board)
Manuf:	TECNOWIND
Op Cond:	See relevant paragraph of test report.
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Clamp at 0 cm
	Hobs at max level

Final Measurement Results:

no Results

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DISCONTINUOUS DISTURBANCE VOLTAGE

EIKA Electronic board

Hob No. 1

First Run

Frequency (MHz)	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 20 ms (n°)*	*Switching operations (N)*	*Time (min)*	*Click rate (N x 0,5 /min)*
0.15	-	-	-	40	12.8	1.56
0.5	-	-	-	40	12.8	1.56
1.40	-	-	-	40	12.8	1.56
30.0	-	-	-	40	12.8	1.56

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run

Frequency (MHz)	*N (n°/min)*	*K (dB)*	*Lp (dBµV)*	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 10 ms (n°)*	*Time (min)*	*Limit (n° of clicks)*
0.15	1.56	26	92	0	0	0	12.8	10
0.5	1.56	26	82	0	0	0	12.8	10
1.40	1.56	26	82	0	0	0	12.8	10
30.0	1.56	26	86	0	0	0	12.8	10

Hob No. 2

First Run

Frequency (MHz)	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 20 ms (n°)*	*Switching operations (N)*	*Time (min)*	*Click rate (N x 0,5 /min)*
0.15	-	-	-	40	13.0	1.54
0.5	-	-	-	40	13.0	1.54
1.40	-	-	-	40	13.0	1.54
30.0	-	-	-	40	13.0	1.54

Second Run

Frequency (MHz)	*N (n°/min)*	*K (dB)*	*Lp (dBµV)*	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 10 ms (n°)*	*Time (min)*	*Limit (n° of clicks)*
0.15	1.54	26	92	0	0	0	13.0	10
0.5	1.54	26	82	0	0	0	13.0	10
1.40	1.54	26	82	0	0	0	13.0	10
30.0	1.54	26	86	0	0	0	13.0	10

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Hob No. 3

First Run

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate (N x 0,5 /min)
0.15	-	-	-	40	13.6	1.47
0.5	-	-	-	40	13.6	1.47
1.40	-	-	-	40	13.6	1.47
30.0	-	-	-	40	13.6	1.47

Second Run

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (n° of clicks)
0.15	1.47	26	92	2	0	0	13.6	10
0.5	1.47	26	82	0	0	0	13.6	10
1.40	1.47	26	82	0	0	0	13.6	10
30.0	1.47	26	86	0	0	0	13.6	10

Hob No. 4

First Run

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate (N x 0,5 /min)
0.15	-	-	-	40	14.7	1.36
0.5	-	-	-	40	14.7	1.36
1.40	-	-	-	40	14.7	1.36
30.0	-	-	-	40	14.7	1.36

Second Run

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (n° of clicks)
0.15	1.36	27	93	3	0	0	14.7	10
0.5	1.36	27	83	0	0	0	14.7	10
1.40	1.36	27	83	0	0	0	14.7	10
30.0	1.36	27	87	0	0	0	14.7	10

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DIEHL Electronic board

Hob No. 1

First Run

Frequency (MHz)	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 20 ms (n°)*	*Switching operations (N)*	*Time (min)*	*Click rate (N x 0,5 /min)*
0.15	-	-	-	40	12.8	1.56
0.5	-	-	-	40	12.8	1.56
1.40	-	-	-	40	12.8	1.56
30.0	-	-	-	40	12.8	1.56

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run

Frequency (MHz)	*N (n°/min)*	*K (dB)*	*Lp (dBµV)*	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 10 ms (n°)*	*Time (min)*	*Limit (n° of clicks)*
0.15	1.56	26	92	0	0	0	12.8	10
0.5	1.56	26	82	0	0	0	12.8	10
1.40	1.56	26	82	0	0	0	12.8	10
30.0	1.56	26	86	0	0	0	12.8	10

Hob No. 2

First Run

Frequency (MHz)	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 20 ms (n°)*	*Switching operations (N)*	*Time (min)*	*Click rate (N x 0,5 /min)*
0.15	-	-	-	40	15.6	1.28
0.5	-	-	-	40	15.6	1.28
1.40	-	-	-	40	15.6	1.28
30.0	-	-	-	40	15.6	1.28

Second Run

Frequency (MHz)	*N (n°/min)*	*K (dB)*	*Lp (dBµV)*	*Clicks < 10 ms (n°)*	*10ms<Clicks < 20 ms (n°)*	*Clicks > 10 ms (n°)*	*Time (min)*	*Limit (n° of clicks)*
0.15	1.28	27	93	0	0	0	15.6	10
0.5	1.28	27	83	0	0	0	15.6	10
1.40	1.28	27	83	0	0	0	15.6	10
30.0	1.28	27	87	0	0	0	15.6	10

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Hob No. 3

First Run

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate (N x 0,5 /min)
0.15	-	-	-	40	18	1.11
0.5	-	-	-	40	18	1.11
1.40	-	-	-	40	18	1.11
30.0	-	-	-	40	18	1.11

Second Run

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (n° of clicks)
0.15	1.11	29	95	2	0	0	18	10
0.5	1.11	29	85	0	0	0	18	10
1.40	1.11	29	85	0	0	0	18	10
30.0	1.11	29	89	0	0	0	18	10

Hob No. 4

First Run

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate (N x 0,5 /min)
0.15	-	-	-	40	14	1.43
0.5	-	-	-	40	14	1.43
1.40	-	-	-	40	14	1.43
30.0	-	-	-	40	14	1.43

Second Run

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (n° of clicks)
0.15	1.43	26	92	3	0	0	14	10
0.5	1.43	26	82	0	0	0	14	10
1.40	1.43	26	82	0	0	0	14	10
30.0	1.43	26	86	0	0	0	14	10

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HARMONIC DISTORTION

Operation mode: Hob 1
Remarks: EIKA Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 50.000 Range: 10 A
Irms = 5.327A Ipk = 7.583A cf = 1.423
P = 1225W S = 1225VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	4.7128		5.3278	100.01		5.3314				229.94
2	100	0.0001	0.0080	0.0018	0.0344	0.1695	0.0177	1.6389	1.0800		0.0982
3	150	0.0009	0.0391	0.0092	0.1719	0.3981	0.0140	0.6104	2.3000		0.0491
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.8517	0.4300		0.0000
5	250	0.0000	0.0000	0.0043	0.0802	0.3748	0.0067	0.5889	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	1.2207	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0115	0.0793	0.0031	0.3963	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0006	0.0115	0.1526	0.0024	0.6104	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.9951	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.5549	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0006	0.0115	0.4069	0.0012	0.8138	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0308	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 2
Remarks: EIKA Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 49.987 Range: 25 A
Irms = 8.984A Ipk = 12.72A cf = 1.416
P = 2065W S = 2066VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	8.9096		8.9798	99.949		9.0332				229.86
2	100	0.0000	0.0000	0.0046	0.0510	0.4239	0.0046	0.4239	1.0800		0.1227
3	150	0.0000	0.0000	0.0107	0.1189	0.4644	0.0183	0.7961	2.3000		0.0736
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4300		0.0000
5	250	0.0000	0.0000	0.0046	0.0510	0.4015	0.0076	0.6692	1.1400		0.0491
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000		0.0000
7	350	0.0000	0.0000	0.0015	0.0170	0.1982	0.0015	0.1982	0.7700		0.0491
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300		0.0000
9	450	0.0000	0.0000	0.0015	0.0170	0.3815	0.0015	0.3815	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840		0.0000
11	550	0.0000	0.0000	0.0015	0.0170	0.4624	0.0015	0.4624	0.3300		0.0245
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533		0.0000
13	650	0.0000	0.0000	0.0015	0.0170	0.7266	0.0015	0.7266	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314		0.0000
15	750	0.0000	0.0000	0.0015	0.0170	1.0173	0.0015	1.0173	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1071		0.0245
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 3
Remarks: EIKA Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 49.974 Range: 10 A
Irms = 5.283A Ipk = 7.510A cf = 1.421
P = 1215W S = 1215VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	4.6753		5.2814	99.965		5.2881				229.99
2	100	0.0000	0.0041	0.0018	0.0347	0.1695	0.0140	1.2998	1.0800		0.0982
3	150	0.0008	0.0368	0.0092	0.1733	0.3981	0.0146	0.6369	2.3000		0.0491
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	1.4194	0.4300		0.0000
5	250	0.0000	0.0000	0.0043	0.0809	0.3748	0.0061	0.5354	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0116	0.0793	0.0031	0.3963	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0006	0.0116	0.1526	0.0024	0.6104	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.6634	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.5549	0.3300		0.0245
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0006	0.0116	0.4069	0.0012	0.8138	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5154	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 4
Remarks: EIKA Electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 49.987 Range: 25 A
Irms = 0.024A Ipk = 0.073A cf = 3.000
P = 3.068W S = 5.618VA pf = 0.546
THDi = 2.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	8.7204		0.3983	1631.3		9.7595				230.03
2	100	0.0003	0.0258	0.0000	0.0000	0.0000	0.0290	2.6844	1.0800		0.1227
3	150	0.0008	0.0337	0.0076	31.250	0.3317	0.0351	1.5259	2.3000		0.0000
4	200	0.0000	0.0064	0.0000	0.0000	0.0000	0.0076	1.7743	0.4300		0.0000
5	250	0.0001	0.0066	0.0031	12.500	0.2677	0.0107	0.9369	1.1400		0.0000
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.5945	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.6634	0.2300		0.0000
9	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.7629	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.6586	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.9248	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.9951	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.7266	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1610	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	2.0345	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.3269	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1529	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4927	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.2885	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6586	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.5598	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6954	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.8311	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 1
Remarks: DIEHL Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 50.000 Range: 10 A
Irms = 5.324A Ipk = 7.582A cf = 1.423
P = 1224W S = 1224VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	4.7126		5.3277	100.04		5.3320				229.94
2	100	0.0001	0.0080	0.0018	0.0344	0.1695	0.0177	1.6389	1.0800		0.0982
3	150	0.0009	0.0396	0.0094	0.1723	0.3985	0.0143	0.6106	2.3000		0.0491
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.8517	0.4300		0.0000
5	250	0.0000	0.0000	0.0043	0.0802	0.3748	0.0067	0.5889	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	1.2207	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0115	0.0793	0.0031	0.3963	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0006	0.0117	0.1529	0.0025	0.6108	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.9951	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.5549	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0006	0.0115	0.4069	0.0012	0.8138	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0308	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

File No. E08584.09

Operation mode: Hob 2
Remarks: DIEHL Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 49.987 Range: 25 A
Irms = 8.986A Ipk = 12.74A cf = 1.416
P = 2068W S = 2068VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	8.9099		8.9801	99.953		9.0336				229.86
2	100	0.0000	0.0000	0.0048	0.0513	0.4241	0.0048	0.4240	1.0802		0.1227
3	150	0.0000	0.0000	0.0109	0.1192	0.4645	0.0186	0.7964	2.3000		0.0736
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4300		0.0000
5	250	0.0000	0.0000	0.0049	0.0513	0.4018	0.0079	0.6694	1.1408		0.0491
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000		0.0000
7	350	0.0000	0.0000	0.0015	0.0170	0.1982	0.0015	0.1982	0.7700		0.0491
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300		0.0000
9	450	0.0000	0.0000	0.0015	0.0170	0.3815	0.0015	0.3815	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840		0.0000
11	550	0.0000	0.0000	0.0015	0.0170	0.4624	0.0015	0.4624	0.3300		0.0245
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533		0.0000
13	650	0.0000	0.0000	0.0015	0.0170	0.7266	0.0015	0.7266	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314		0.0000
15	750	0.0000	0.0000	0.0015	0.0170	1.0173	0.0015	1.0173	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1071		0.0245
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 3
Remarks: DIEHL Electronic board

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 49.974 Range: 10 A
Irms = 5.288A Ipk = 7.513A cf = 1.421
P = 1217W S = 1217VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	4.6759		5.2818	99.971		5.2885				229.99
2	100	0.0000	0.0043	0.0019	0.0348	0.1697	0.0145	1.3003	1.0802		0.0982
3	150	0.0008	0.0368	0.0092	0.1733	0.3981	0.0146	0.6369	2.3000		0.0491
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0061	1.4194	0.4300		0.0000
5	250	0.0000	0.0000	0.0043	0.0809	0.3748	0.0061	0.5354	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0116	0.0793	0.0031	0.3963	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0006	0.0116	0.1526	0.0024	0.6104	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.6634	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.5549	0.3300		0.0245
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0006	0.0116	0.4069	0.0012	0.8138	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5154	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hob 4
Remarks: DIEHL Electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 49.987 Range: 25 A
Irms = 0.026A Ipk = 0.078A cf = 3.000
P = 3.071W S = 5.624VA pf = 0.546
THDi = 2.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	[A]	Limit	Vrms [V]
1	50	8.7210		0.3986	1631.8		9.7599				230.03
2	100	0.0003	0.0258	0.0000	0.0000	0.0000	0.0290	2.6844	1.0800		0.1227
3	150	0.0008	0.0346	0.0078	31.256	0.3319	0.0354	1.5262	2.3000		0.0000
4	200	0.0000	0.0064	0.0000	0.0000	0.0000	0.0076	1.7743	0.4300		0.0000
5	250	0.0001	0.0066	0.0031	12.500	0.2677	0.0107	0.9369	1.1400		0.0000
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.5945	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.6634	0.2300		0.0000
9	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.7629	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.6586	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.9248	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.9951	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.7266	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1610	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	2.0345	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.3269	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1529	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4927	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.2885	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6586	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.5598	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6954	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.8311	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

VOLTAGE FLUCTUATIONS AND FLICKER

Operation mode: Hob 1
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.013 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 3.681W S = 5.618VA pf = 0.655

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.622	1.120	1.100	0.000

Operation mode: Hob 2
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.000 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 3.681W S = 5.618VA pf = 0.655

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.990	1.880	1.840	0.000

Operation mode: Hob 3
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 49.974 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 4.908W S = 5.618VA pf = 0.874

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.610	1.110	1.090	0.000

Operation mode: Hob 4
Remarks: EIKA electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.013 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 4.908W S = 5.618VA pf = 0.874

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.611	1.120	1.100	0.000

Operation mode: Hob 1
Remarks: DIEHL electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.013 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 3.681W S = 5.618VA pf = 0.655

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.648	1.180	1.300	0.000

Operation mode: Hob 2
Remarks: DIEHL electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.000 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 3.681W S = 5.618VA pf = 0.655

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.940	1.760	1.940	0.000

Operation mode: Hob 3
Remarks: DIEHL electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 49.974 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 4.908W S = 5.618VA pf = 0.874

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.630	1.240	1.120	0.000

Operation mode: Hob 4
Remarks: DIHEL electronic board

Result: ■ - passed
o - not passed

Urms = 230.1V Freq = 50.013 Range: 50 A
Irms = 0.024A Ipk = 0.098A cf = 4.000
P = 4.908W S = 5.618VA pf = 0.874

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.690	1.320	1.190	0.000

MEASUREMENTS – ORDER NUMBER 81521

SCOPE OF WORK

The manufacturer has introduced several new control and power PCBs, which was tested and qualified for this family.

Testing was performed on the P58 EO6700 model.

Components qualified this time:

Component	Manufacturer	Model	Conformity
Control PCB	EGO	75.13061.201	Tested
Control PCB	DIEHL	TC3-Q-PT-4R-U230	Tested
Control PCB	DIEHL	TC4 Standard H	Tested
Power PCB	EGO	75.130020.303	Tested
Power PCB (a)	DIEHL	TC4 SE 13704-014	Tested
Power PCB (a)	DIEHL	TC4 SE 13704-080	Tested

USED TEST EQUIPMENT

Equipment	Manufacturer	Model	Serial N°	Calibration
RF receiver 9 kHz ÷ 30 MHz	R&S	ESHS 30	828765/012	-
LISN 9 kHz ÷ 30 MHz	R&S	ESH2-Z5	881 362/006	-
Shielded room	Siemens	--	009	-
ESD generator	Schaffner	NSG 435	000310	-
RF receiver 20 ÷ 1000 MHz	R&S	ESVS 10	825 475/001	-
Shielded room	Siemens	--	005	-
Clamp controller	Emi Tech	950	1190	-
Absorbing clamp 30 ÷ 1000 MHz	R&S	MDS 21	893 169/001	-
Interference analyzer	Chase	DIA 1512	5039	-
Digital oscilloscope	Yokogawa	DL1540	25WY1600L	-
LISN 9 kHz ÷ 30 MHz	Chase	MN 2050	1524	-
Mains analyzer	EMC Partner	Harmonics 1000	HAR1000-16	-
Transient generator	EMC Partner	Transient 1000	TRA 1000-124	-
AC Power source	HP	6834	3432A-00125	-
RF generator 0.1 ÷ 1000 MHz	R&S	SMG	883717/020	-
Wideband RF amplifier 150 kHz ÷ 300 MHz	Kalmus	210LC	060793-2	-
Coupling/decoupling network	Rohrbacher	CDN 801-M3	60116	-
Mainframe	Schaffner	NSG 200E	00861	-
Burst generator	Schaffner	NSG 225A	1484 9222	-
Pulse generator	Schaffner	NSG 651	172	-
Coupling network	Schaffner	CDN 110	255	-
Thermohygrometer data logger	Testo	175 –H2	20012380	-

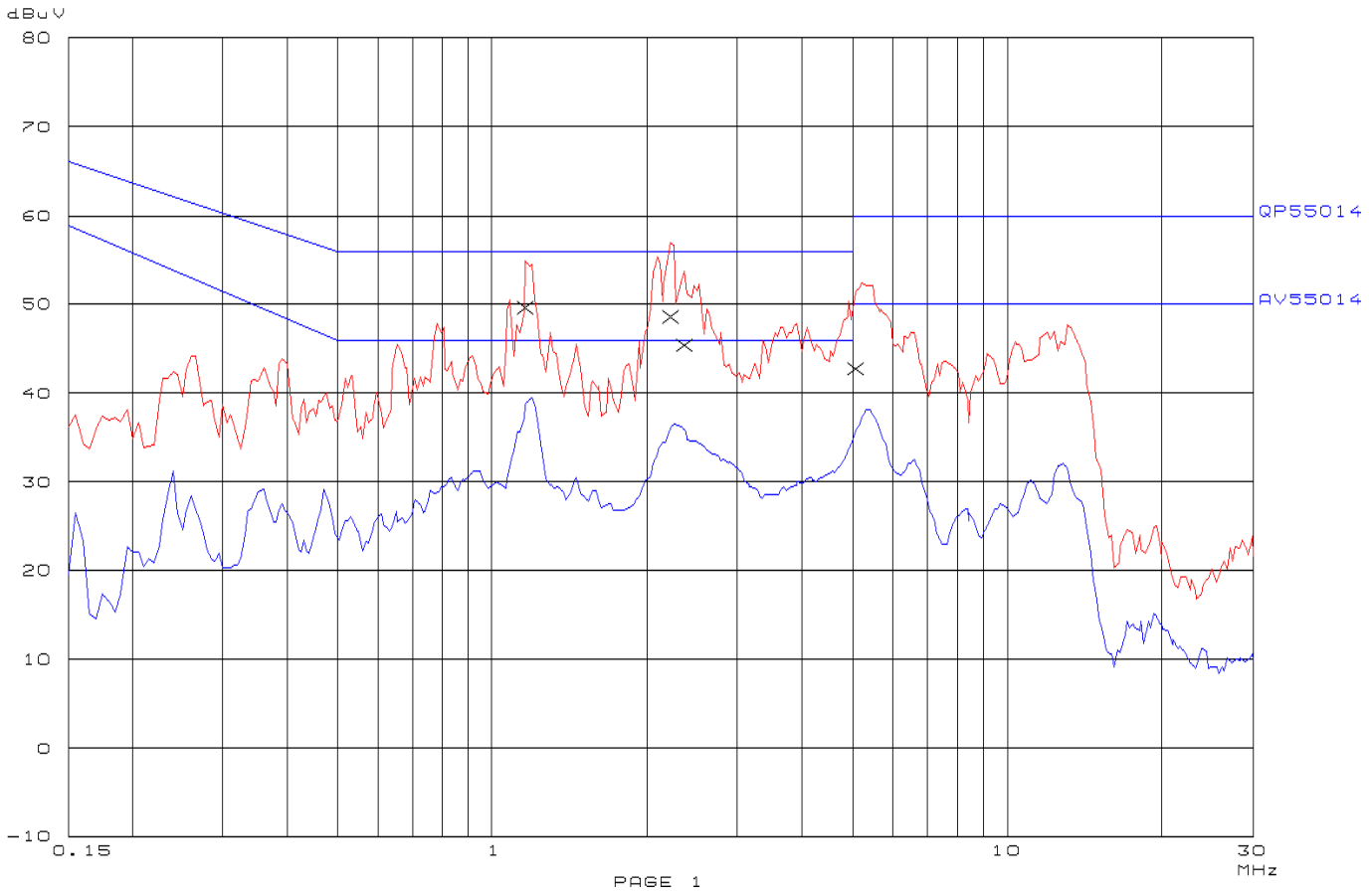
File No. E08584.09

MAINS DISTURBANCE VOLTAGE

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Front Left hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Tecnowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanoO
Test Spec:	EN55014-1
Comment:	Neutral line Front Left



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. RomanO
Test Spec: EN55014-1
Comment: Neutral line
Front Left

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
1.16000	49.6	56.0
2.21000	48.6	56.0
2.36000	45.3	56.0
5.07000	42.7	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

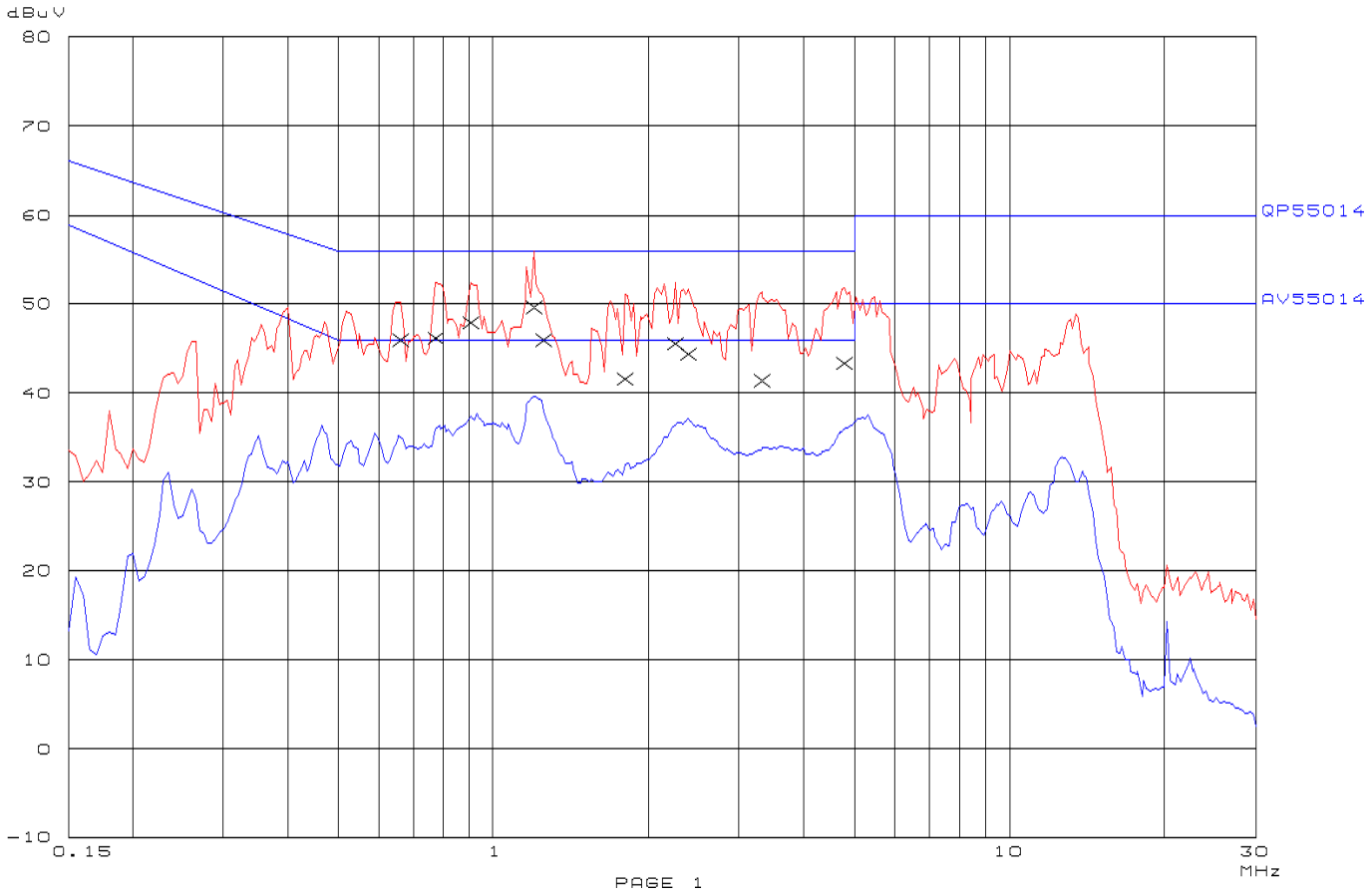
no Results

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Front Left hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano0
Test Spec: EN55014-1
Comment: Phase line
Front Left



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN55014-1
Comment: Phase line
Front Left

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.66000	45.9	56.0
0.77500	46.2	56.0
0.90500	47.9	56.0
1.20000	49.6	56.0
1.25000	45.9	56.0
1.80000	41.5	56.0
2.26000	45.6	56.0
2.39000	44.3	56.0
3.32000	41.4	56.0
4.79000	43.3	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

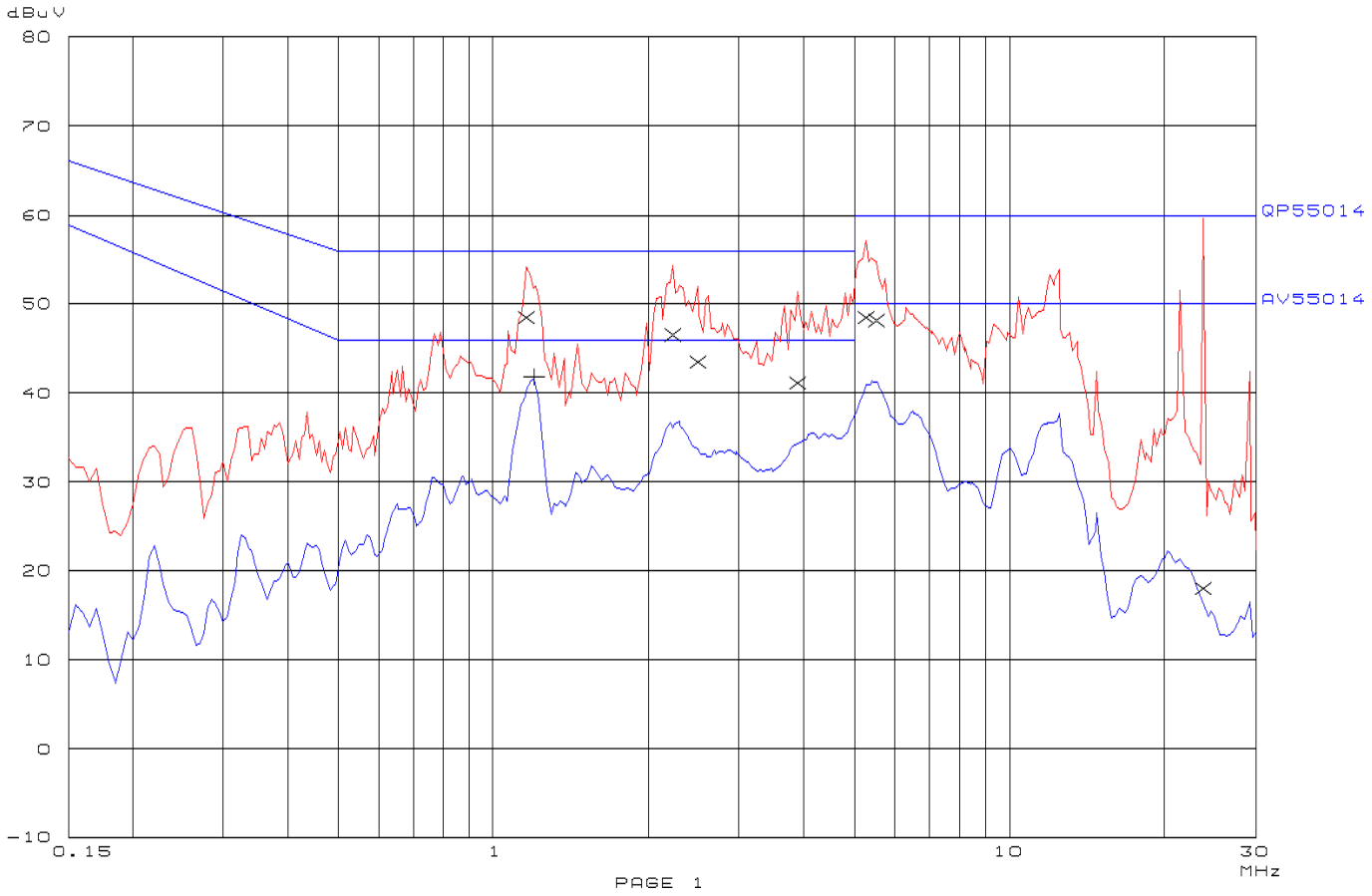
no Results

* limit exceeded

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Front Right hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano0
Test Spec: EN55014-1
Comment: Neutral line
Front Rigth



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Technowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanO
Test Spec:	EN55014-1
Comment:	Neutral line Front Rigth

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
1.16000	48.4	56.0
2.23000	46.5	56.0
2.48000	43.5	56.0
3.89000	41.2	56.0
5.29000	48.4	60.0
5.51000	48.0	60.0
23.77000	18.0	60.0

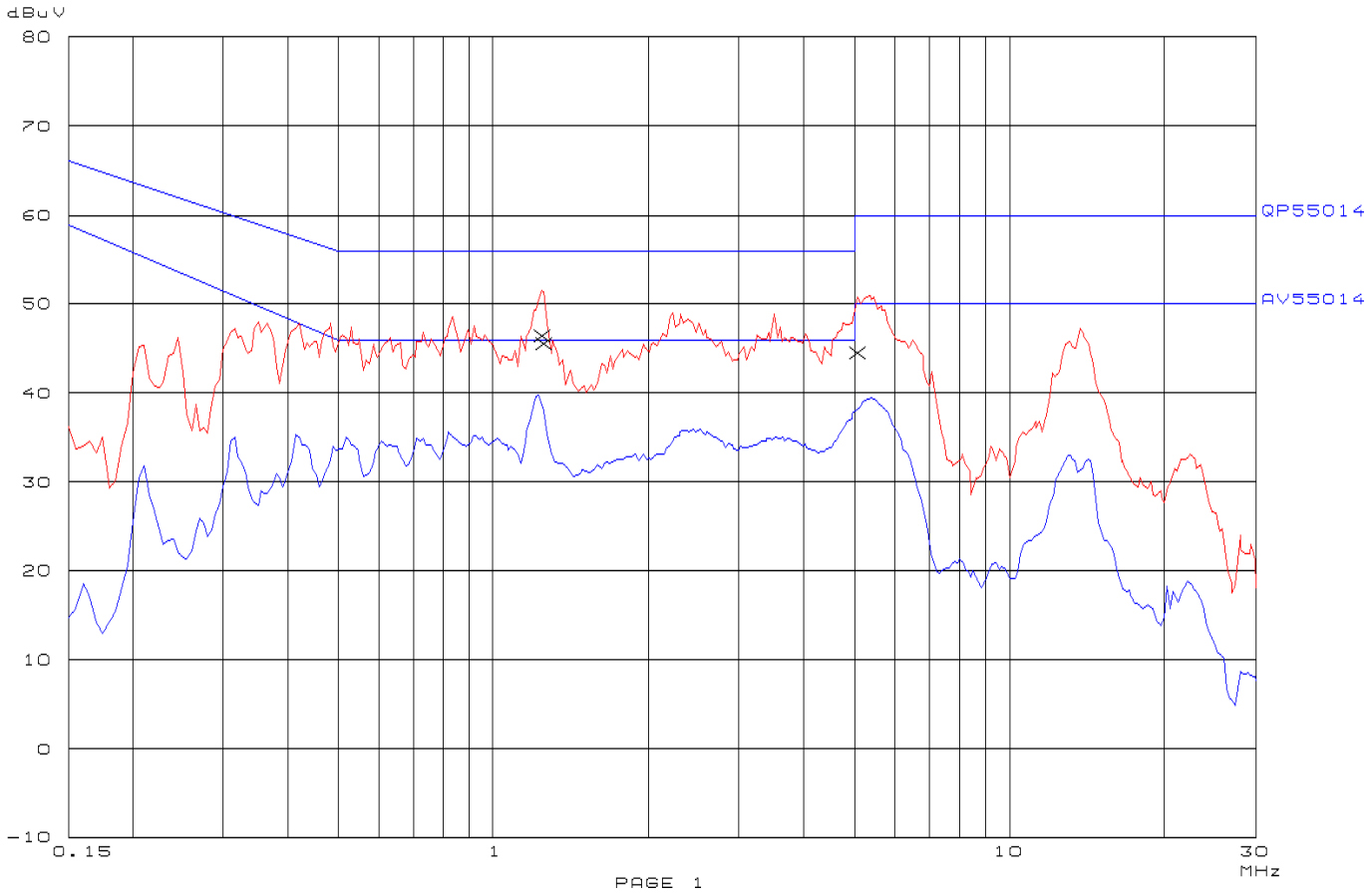
Frequency MHz	AV Level dBuV	AV Limit dBuV
1.20000	41.7	46.0

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Front Right hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. RomanoO
Test Spec: EN55014-1
Comment: Phase line
Front Right



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN55014-1
Comment: Phase line
Front Right

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
1.24000	46.4	56.0
1.25000	45.6	56.0
5.07000	44.6	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

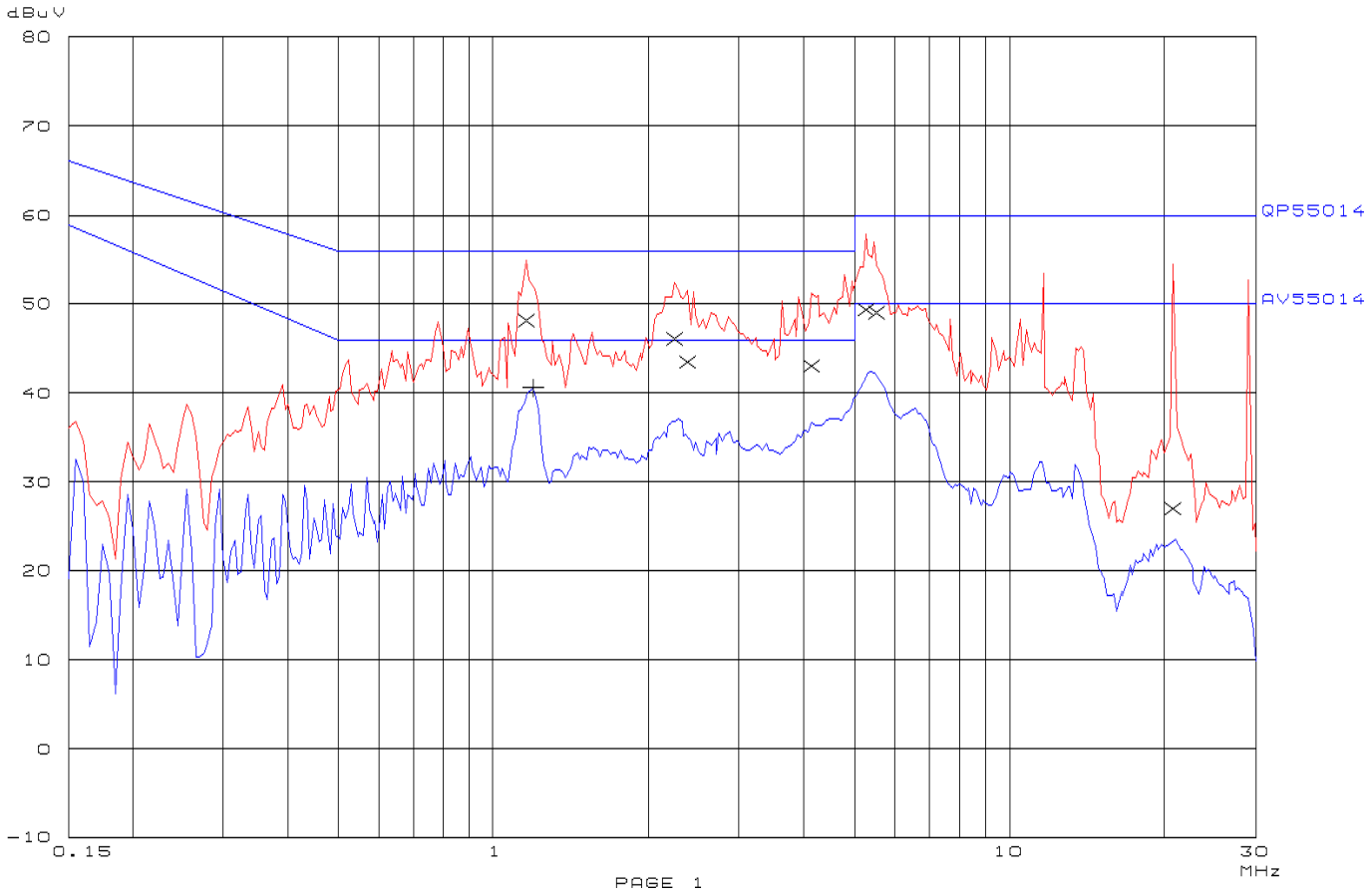
no Results

* limit exceeded

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Rear Left hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Tecnowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanoO
Test Spec:	EN55014-1
Comment:	Neutral line Rear Left



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN55014-1
Comment: Neutral line
Rear Left

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
1.16000	48.1	56.0
2.24000	46.0	56.0
2.38000	43.6	56.0
4.13000	43.1	56.0
5.29000	49.4	60.0
5.52000	49.0	60.0
20.79000	26.9	60.0

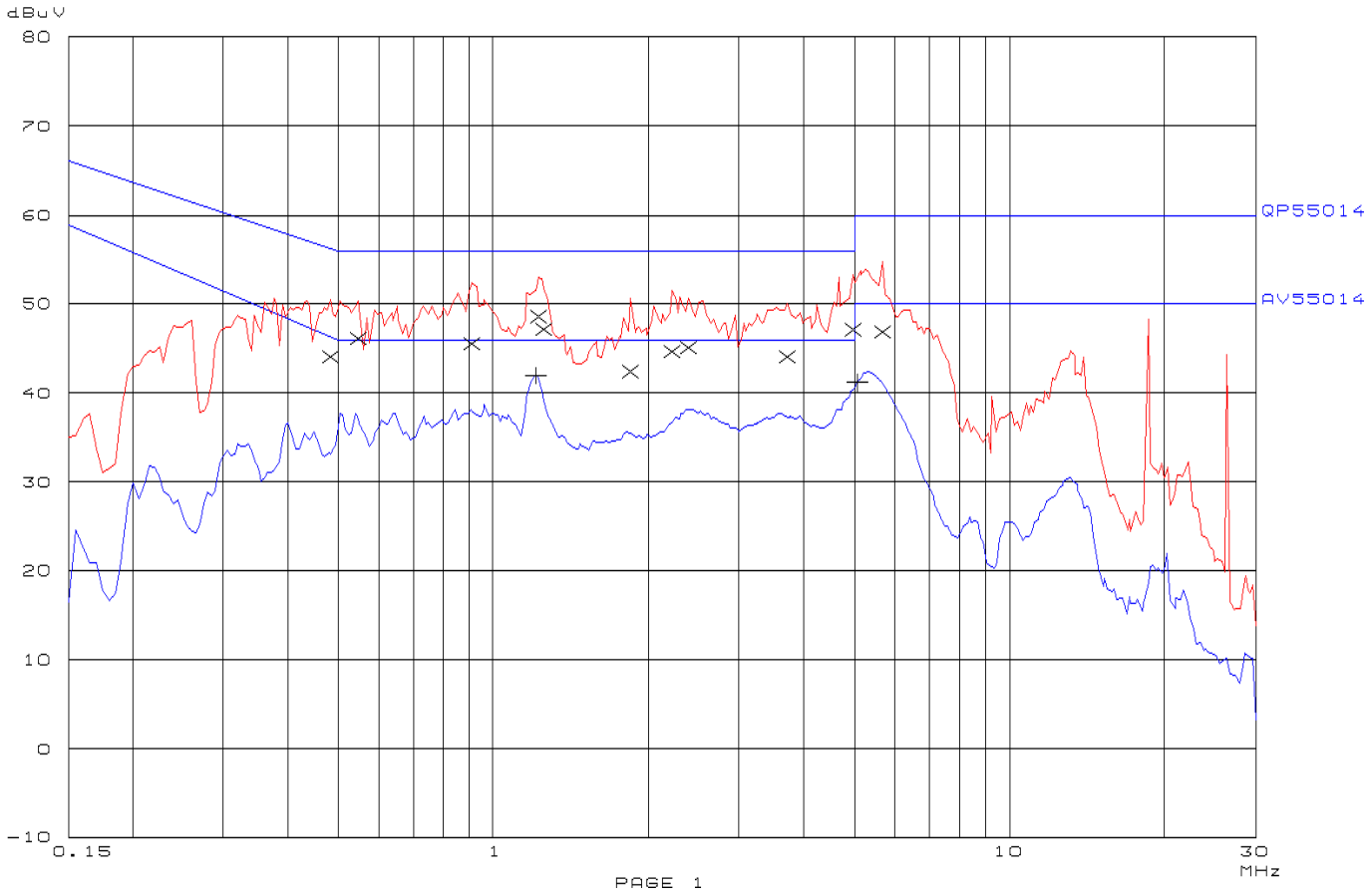
Frequency MHz	AV Level dBuV	AV Limit dBuV
1.19000	40.5	46.0

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Rear Left hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Tecnowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanoO
Test Spec:	EN55014-1
Comment:	Phase line Rear Left



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN55014-1
Comment: Phase line
Rear Left

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.48500	44.1	56.3
0.54500	46.1	56.0
0.91000	45.6	56.0
1.22000	48.6	56.0
1.25000	47.2	56.0
1.84000	42.4	56.0
2.21000	44.6	56.0
2.39000	45.1	56.0
3.71000	44.1	56.0
4.98000	47.0	56.0
5.68000	46.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
1.21000	41.9	46.0
5.08000	41.1	46.0

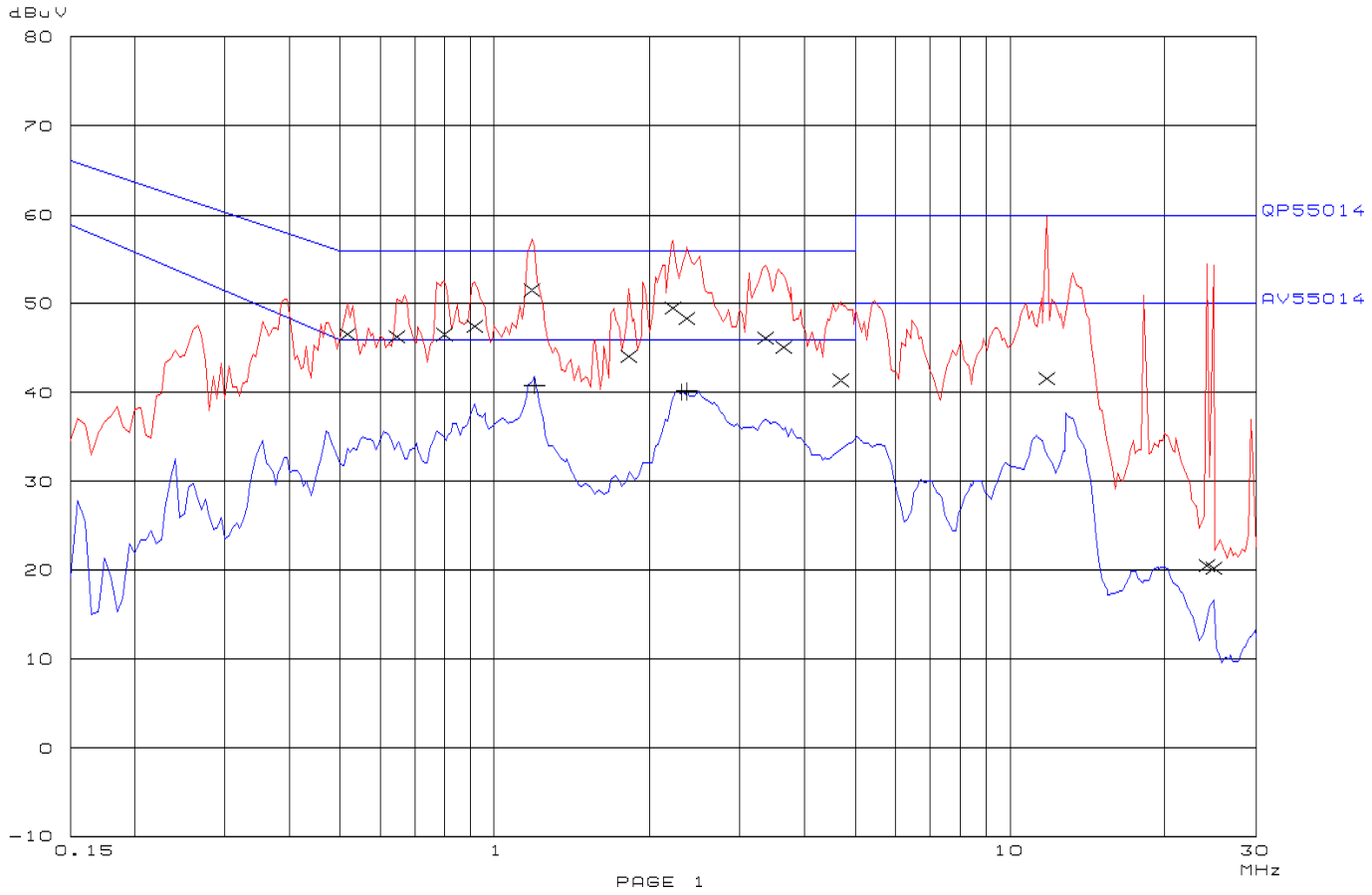
* limit exceeded

PAGE 2

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Rear Right hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano0
Test Spec: EN55014-1
Comment: Neutral line
Rear Right



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Technowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanO
Test Spec:	EN55014-1
Comment:	Neutral line
	Rear Right

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
0.52000	46.6	56.0
0.64500	46.2	56.0
0.80000	46.5	56.0
0.91500	47.3	56.0
1.18000	51.5	56.0
1.82000	44.1	56.0
2.21000	49.5	56.0
2.36000	48.3	56.0
3.36000	46.1	56.0
3.65000	45.1	56.0
4.69000	41.3	56.0
11.79000	41.5	60.0
24.17000	20.5	60.0
24.83000	20.2	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
1.19000	40.8	46.0
2.31000	40.0	46.0
2.36000	40.1	46.0

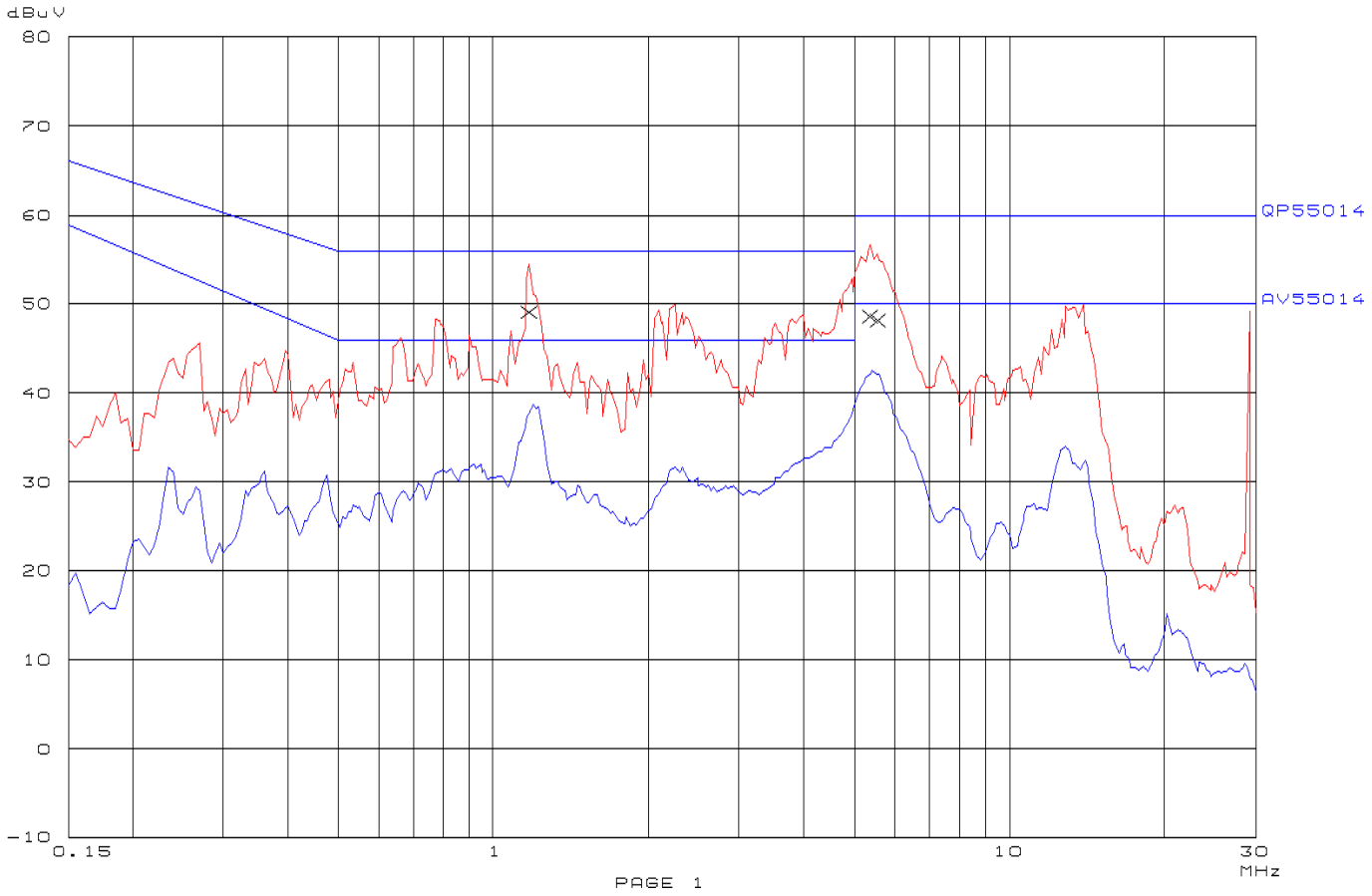
* limit exceeded

PAGE 2

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) electronic control board. Rear Right hob	

NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT:	Type P58 Model E06700
Manuf:	Tecnowind
Op Cond:	See relevant paragraph of test report
Operator:	G. RomanoO
Test Spec:	EN55014-1
Comment:	Phase line Rear Rigth



NEMKO PT Dpt.
CONDUCTED EMISSION ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Technowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano0
Test Spec: EN55014-1
Comment: Phase line
Rear Rigth

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
1.17000	49.1	56.0
5.37000	48.5	60.0
5.57000	48.0	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

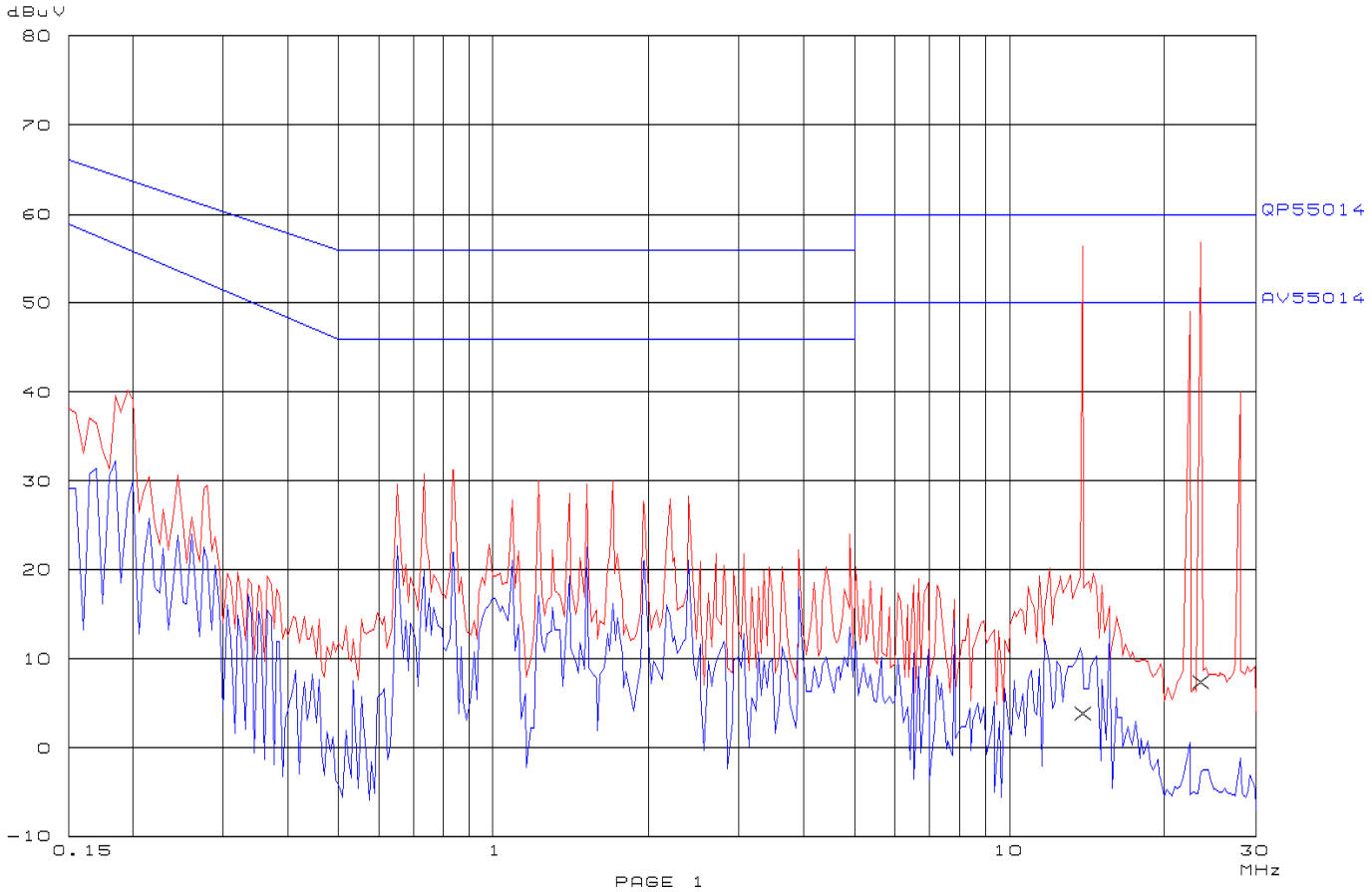
no Results

* limit exceeded

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Front Left hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
13.87000	3.8	60.0
23.45000	7.3	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

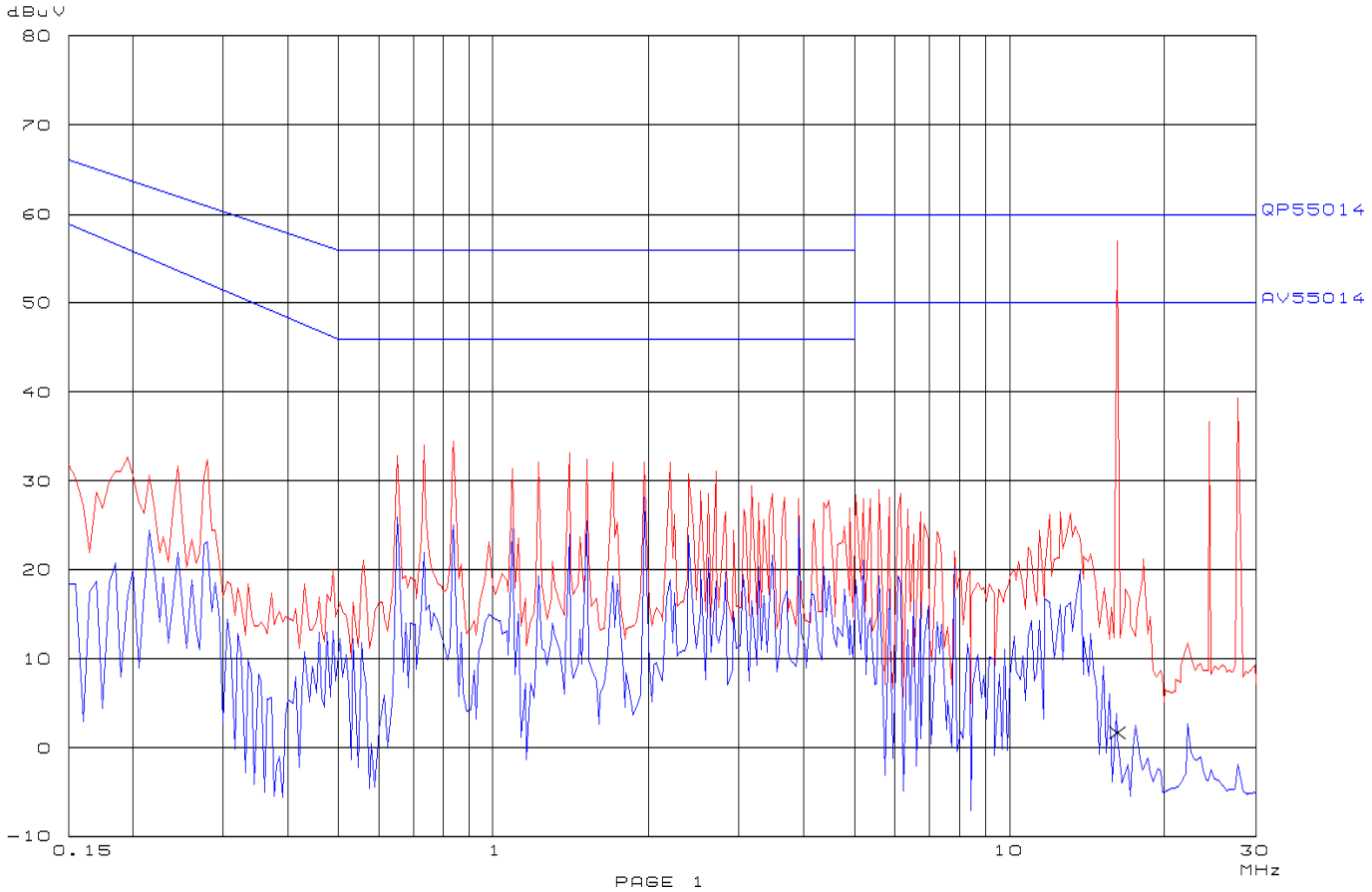
no Results

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Front Left hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
16.22000	1.7	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

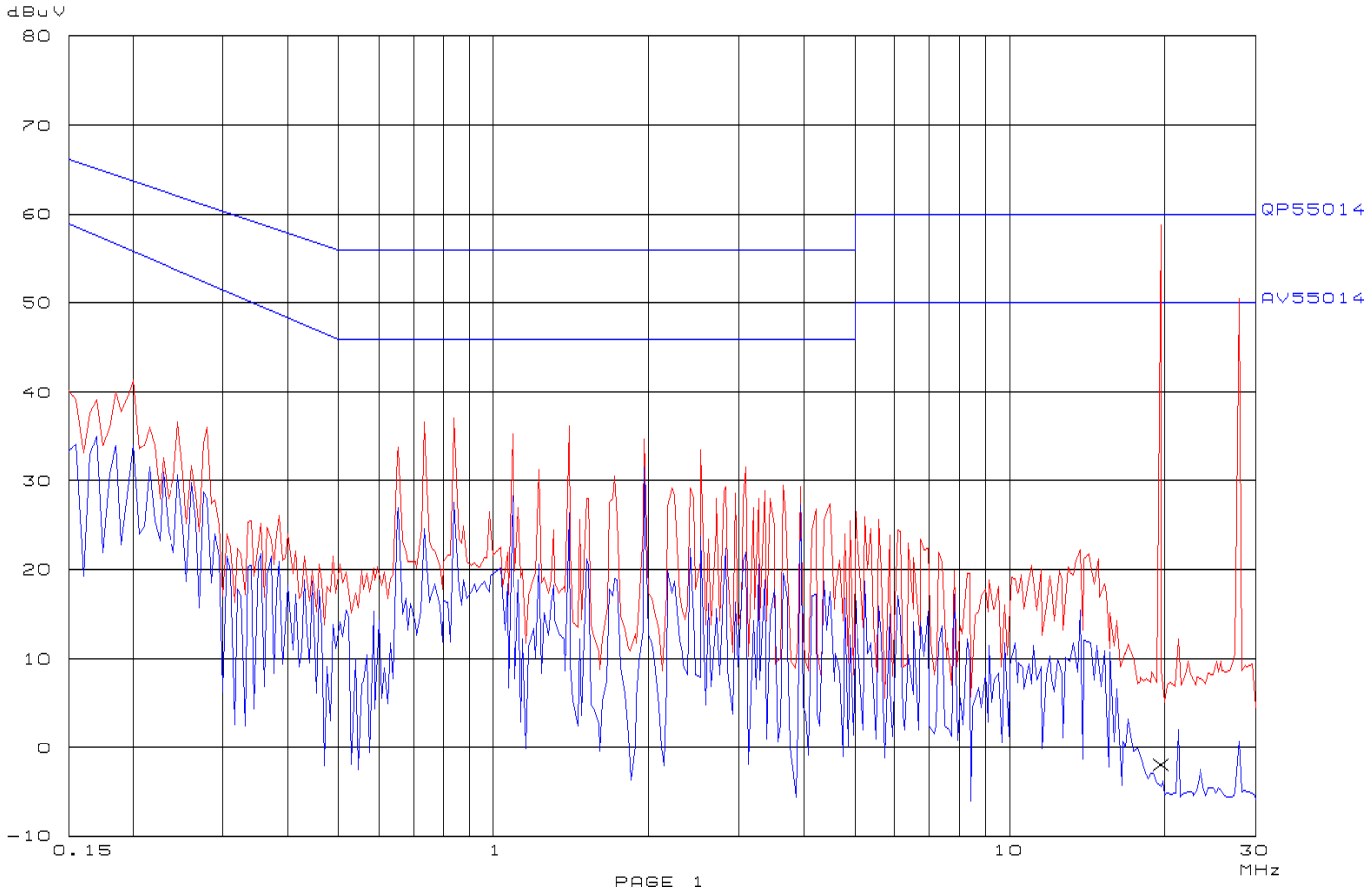
PAGE 2

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Front Right hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
19.58000	-1.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

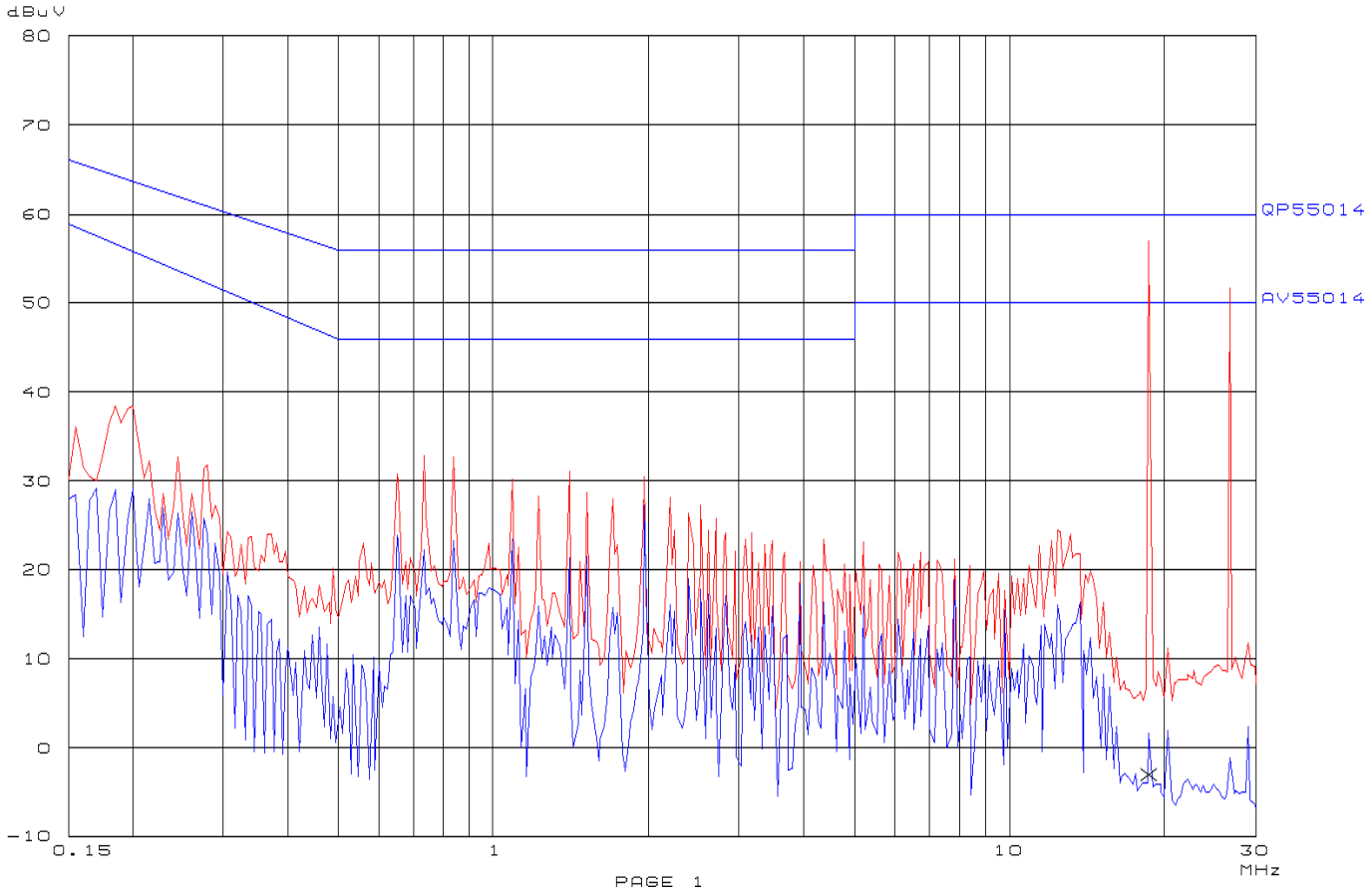
* limit exceeded

File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Front Right hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
18.65000	-3.0	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

* limit exceeded

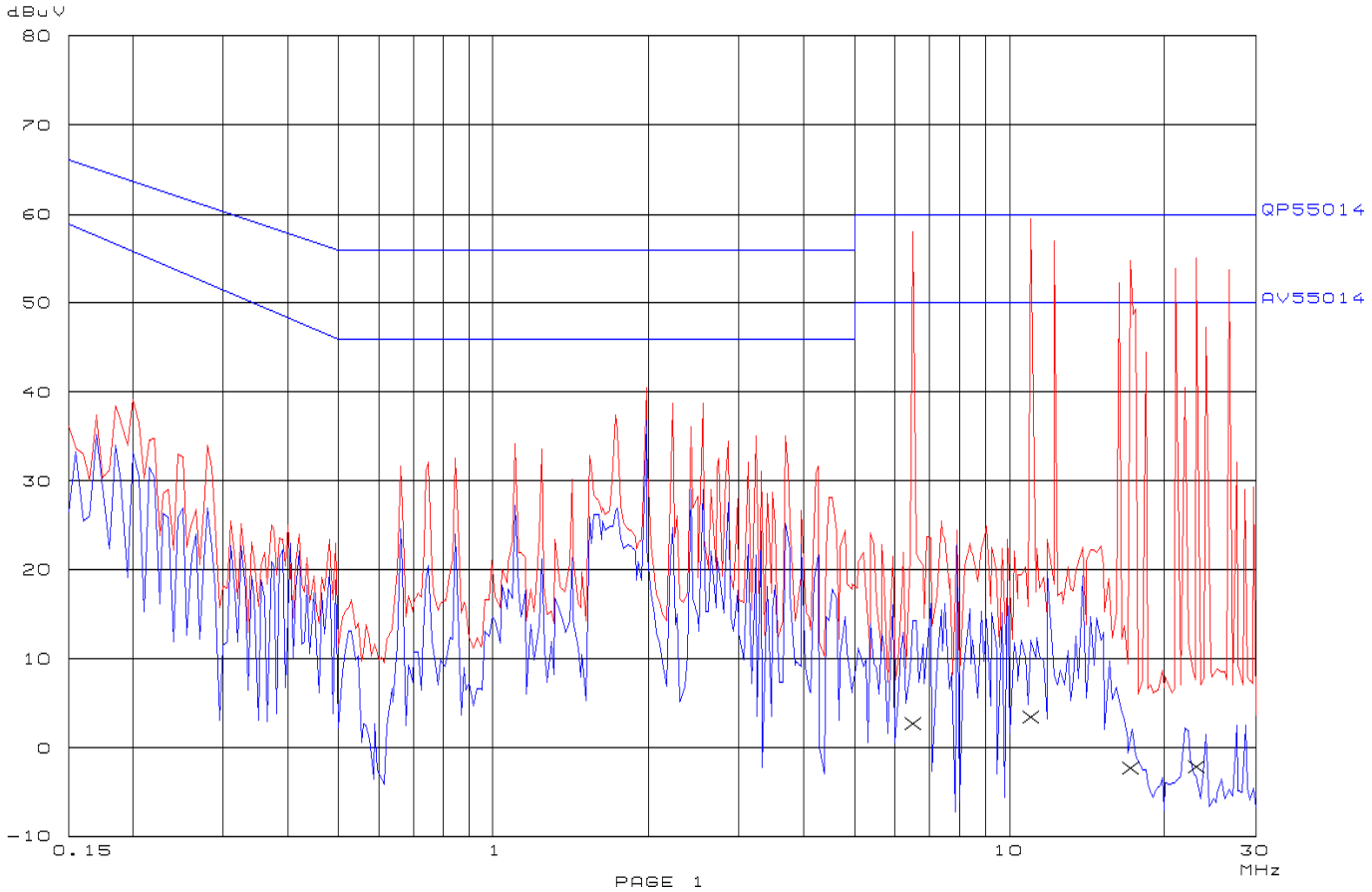
PAGE 2

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Rear Left hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
6.49000	2.7	60.0
10.99000	3.5	60.0
17.13000	-2.2	60.0
23.05000	-2.0	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

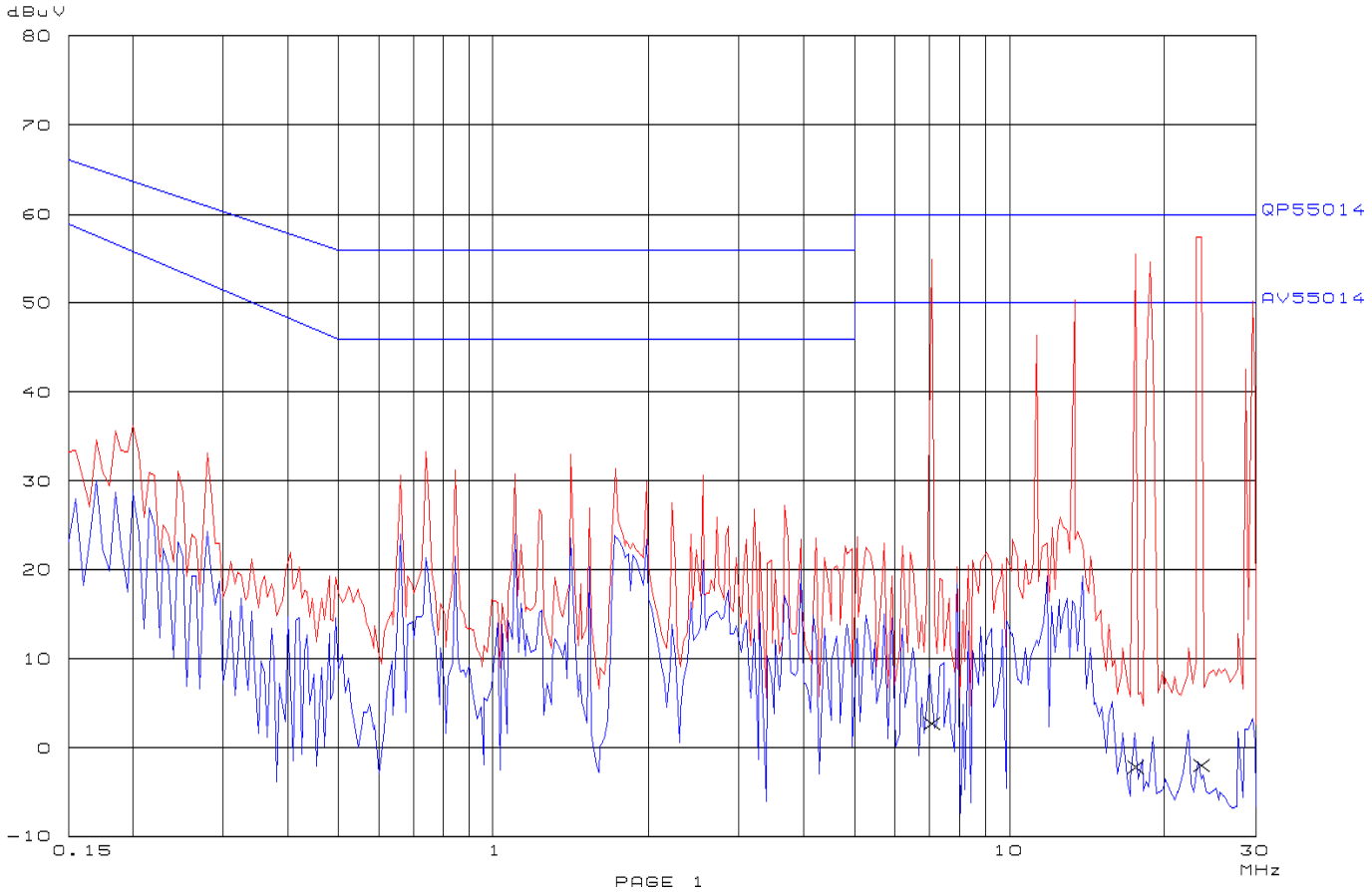
no Results

* limit exceeded

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Rear Left hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
7.07000	2.7	60.0
17.55000	-2.2	60.0
23.59000	-1.9	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

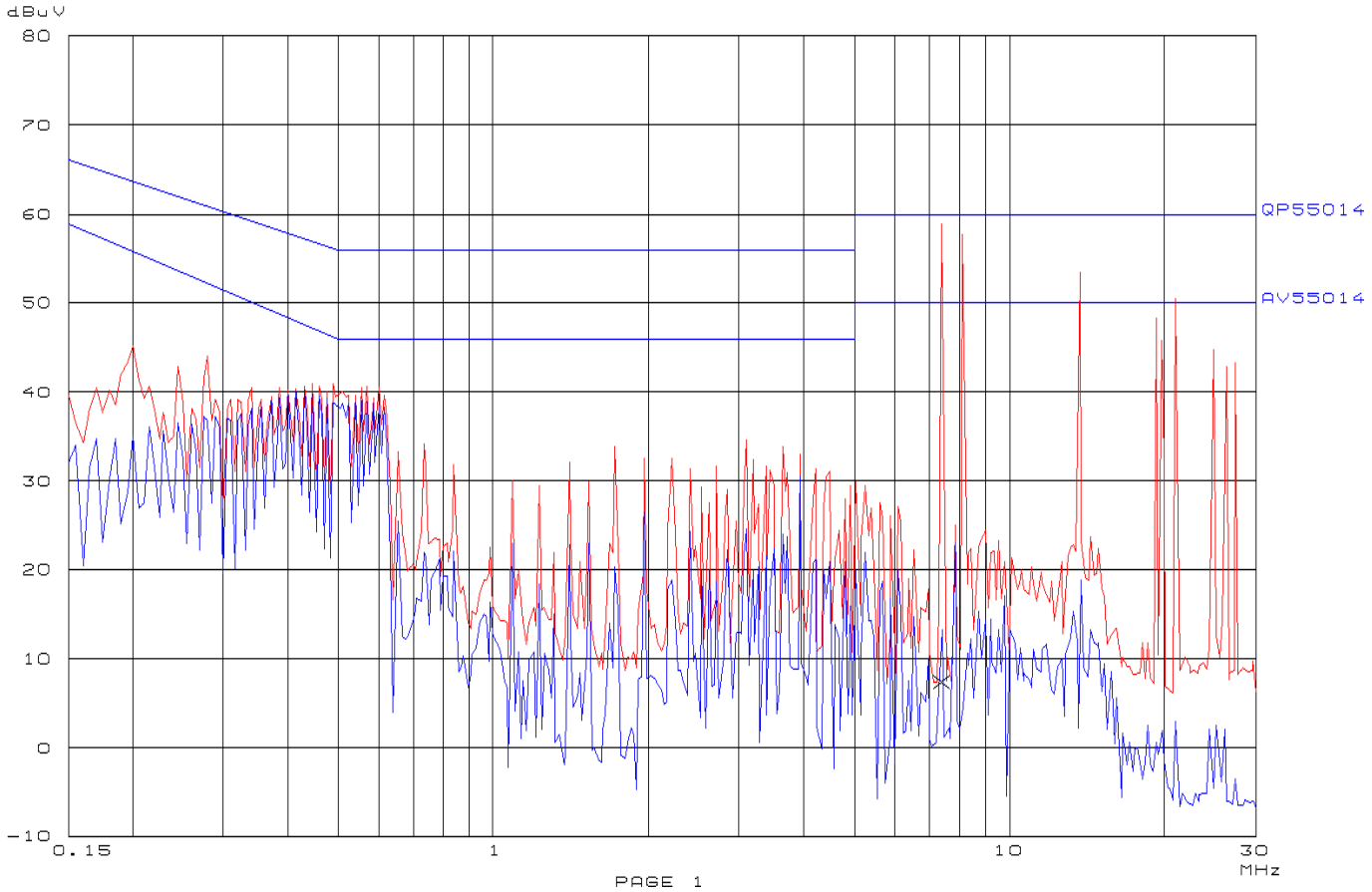
* limit exceeded

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Rear Right hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
7.38000	7.3	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

no Results

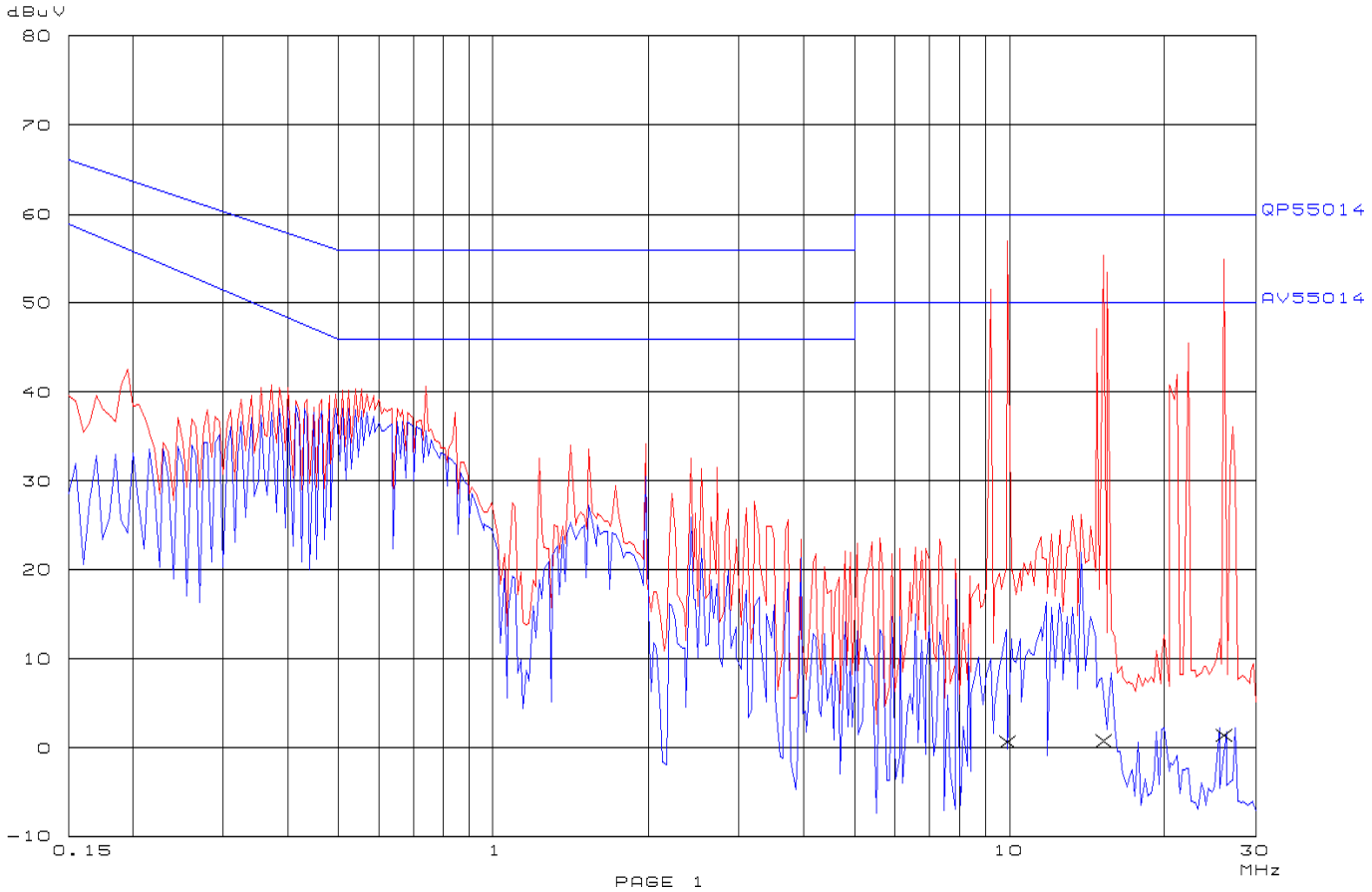
* limit exceeded

PAGE 2

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board. Rear Right hob	

NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58...../P75.....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line EGO Electronic board



NEMKO S.p.A. PT Dpt.
CONDUCTED EMISSIONS ON AC MAINS

EUT:	P58.....-/P75.....
Manuf:	Technowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Neutral line
	E60 Electronic board

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
9.91000	0.6	60.0
15.23000	0.7	60.0
25.99000	1.5	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV

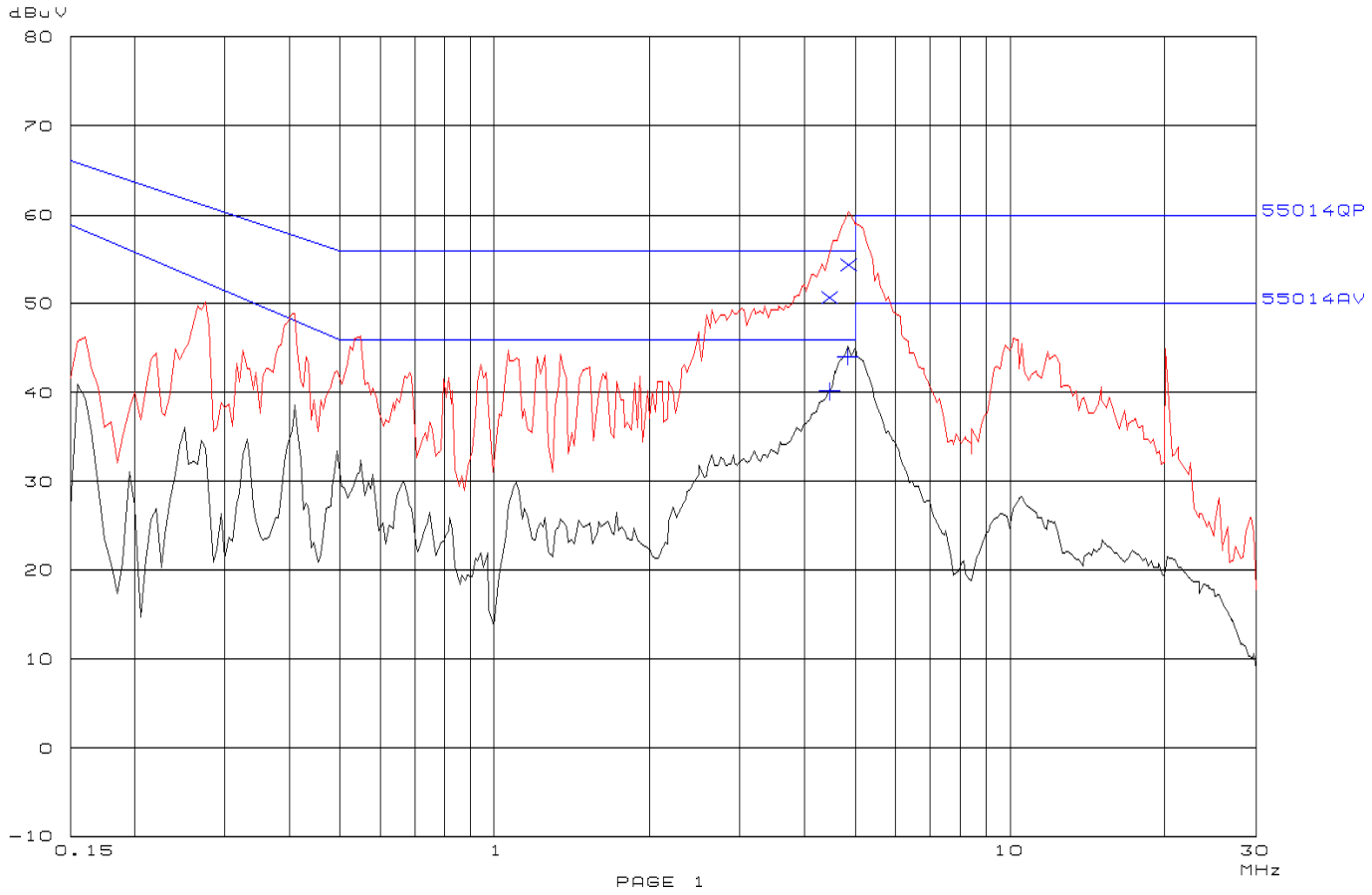
no Results

* limit exceeded

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Front Left hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ......
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Max heat level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ------
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line
Max heat level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
4.45000	50.7	56.0
4.87000	54.4	56.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
4.45000	40.1	46.0
4.85000	44.0	46.0

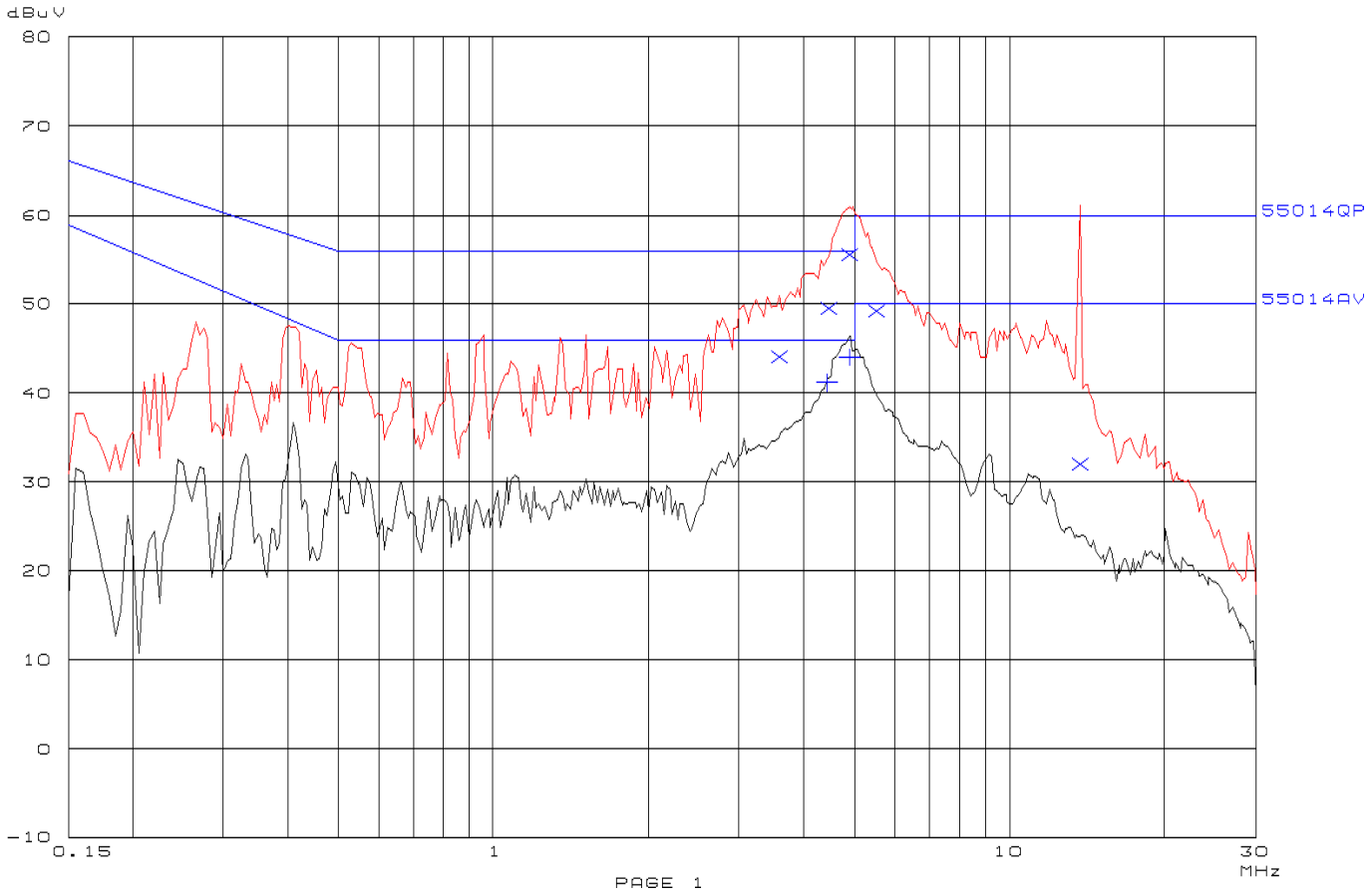
* limit exceeded

PAGE 2

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Front Left hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT:	Cooking plane TYPE P58 .....
Manuf:	Tecnowind S.p.A.
Op Cond:	See rilevant paraghraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Live line Max heat level



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ------
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line
Max heat level

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
3.58000	44.1	56.0
4.45000	49.4	56.0
4.88000	55.4	56.0
5.51000	49.2	60.0
13.72000	32.0	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
4.43000	41.1	46.0
4.88000	44.0	46.0

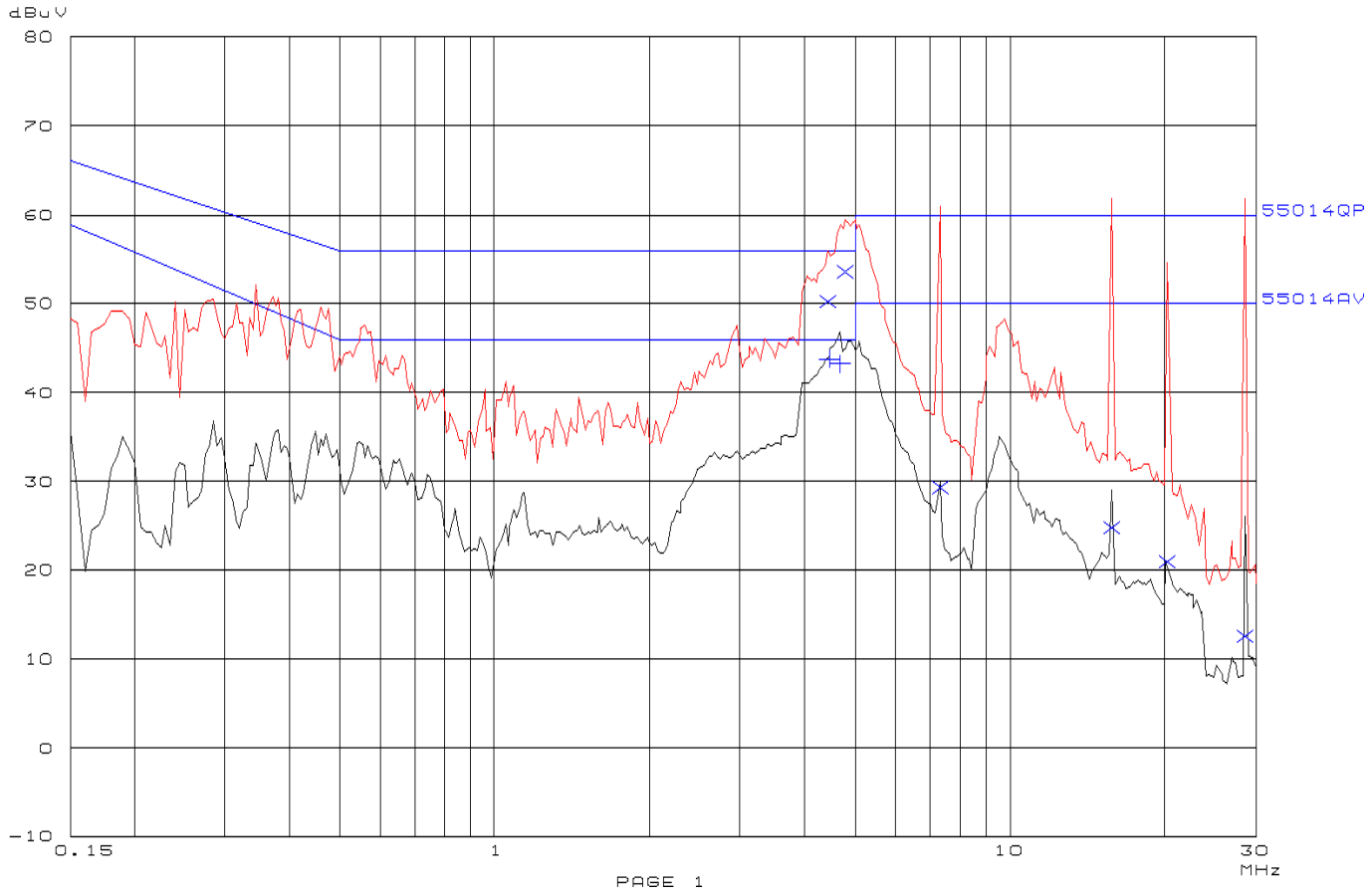
* limit exceeded

PAGE 2

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Central Right hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ......
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ------
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
4.433000	50.2	56.0
4.777000	53.6	56.0
7.355000	29.3	60.0
15.777000	24.8	60.0
20.233000	20.9	60.0
28.599000	12.6	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
4.450000	43.7	46.0
4.666000	43.2	46.0

* limit exceeded

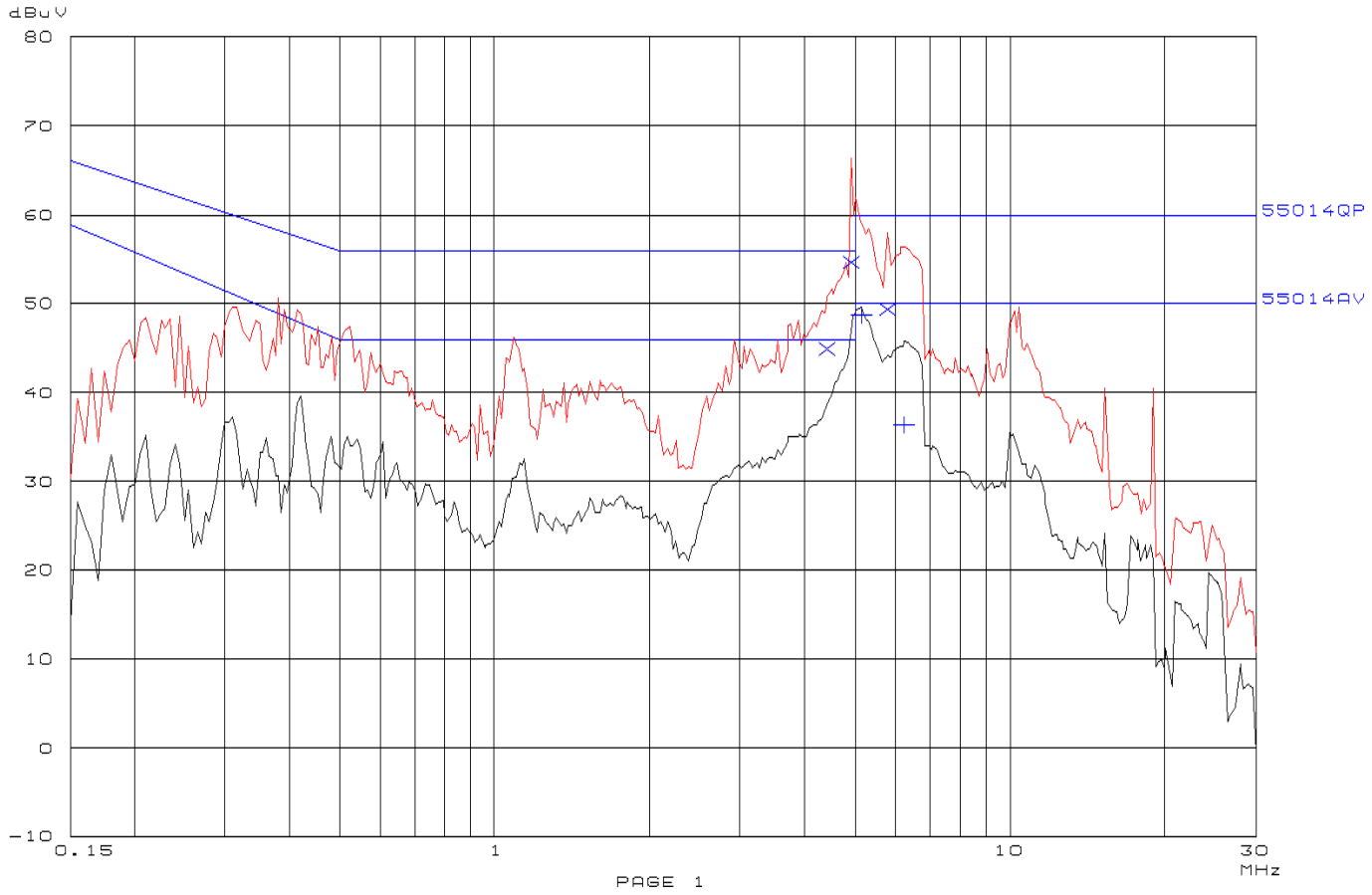
PAGE 2

File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Central Right hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ......
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 .....
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
4.42000	44.8	56.0
4.91000	54.7	56.0
5.79000	49.3	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
5.15000	48.7	50.0
6.23000	36.4	50.0

* limit exceeded

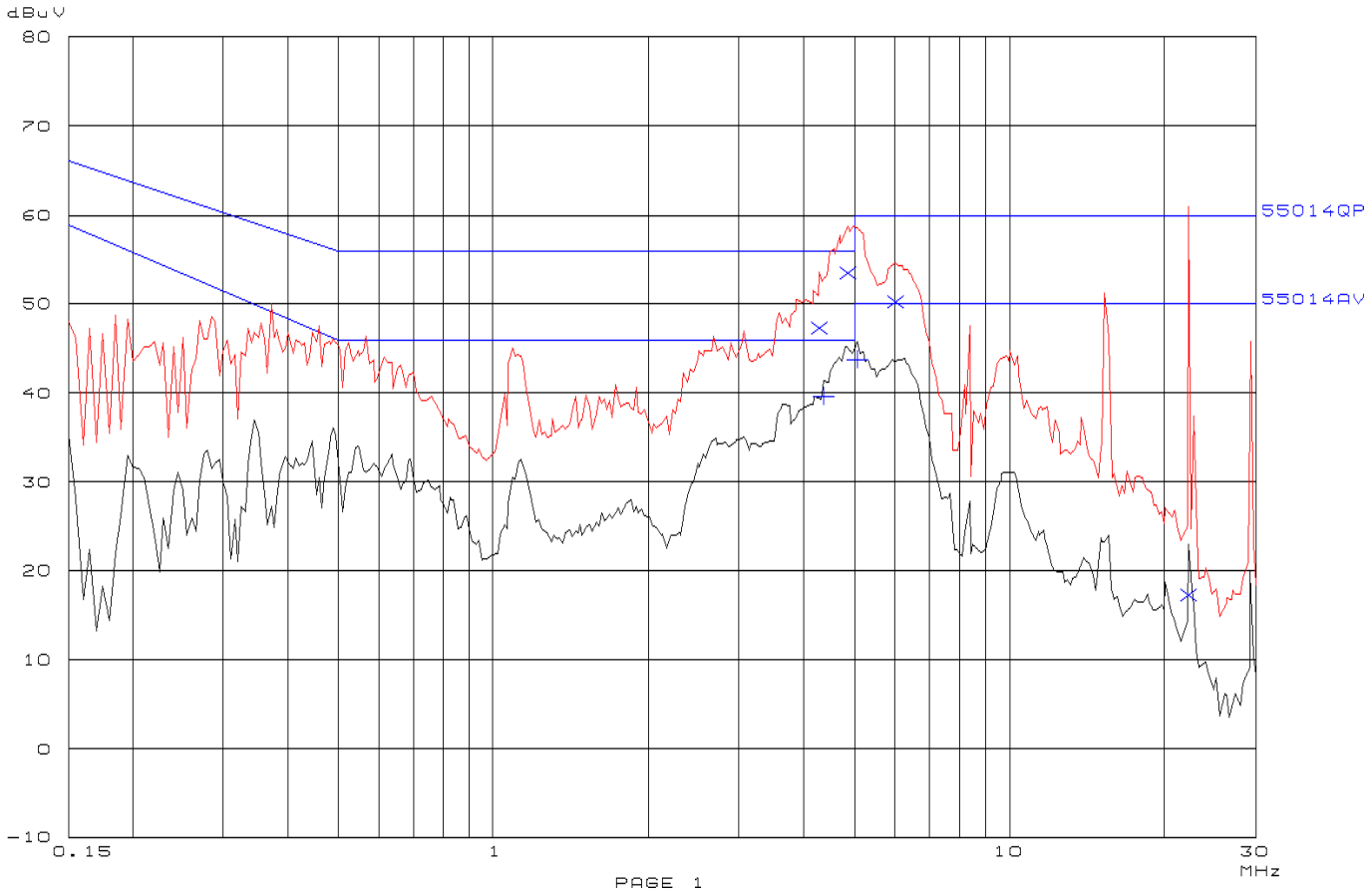
PAGE 2

File No. E08584.09

Test point	Neutral line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Rear Left hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ......
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ------
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Neutral line

Final Measurement Results:

Frequency MHz	QP Level dB	QP Limit dB
4.29000	47.3	56.0
4.87000	53.4	56.0
6.04000	50.2	60.0
22.31000	17.2	60.0

Frequency MHz	AV Level dB	AV Limit dB
4.36000	39.7	46.0
5.06000	43.7	50.0

* limit exceeded

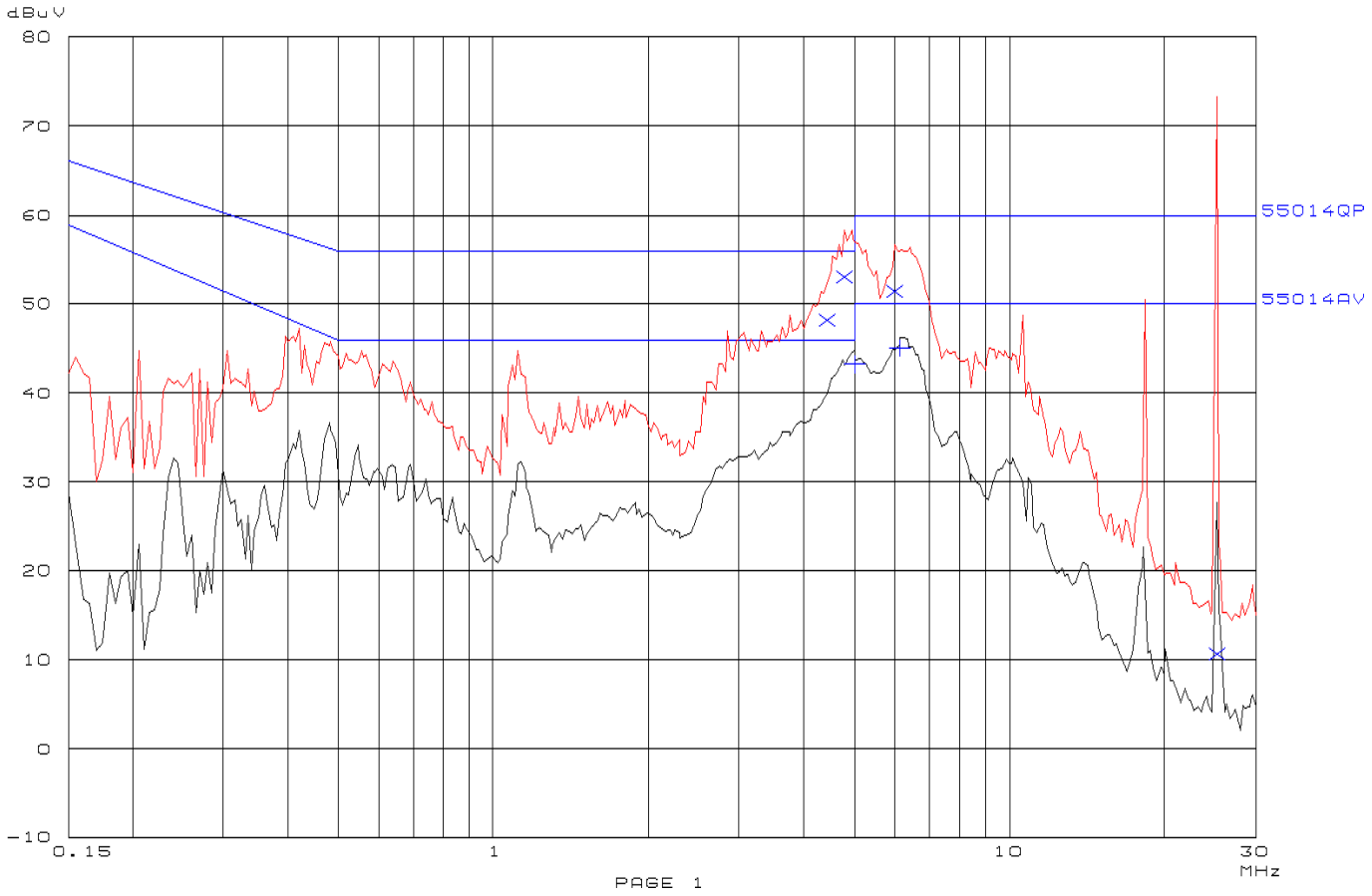
PAGE 2

File No. E08584.09

Test point	Live line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Rear Left hob	

NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ......
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line



NEMKO S.p.A. PT Dpt
CONDUCTED EMISSION ON AC MAINS

EUT: Cooking plane TYPE P58 ------
Manuf: Tecnowind S.p.A.
Op Cond: See rilevant paraghraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Live line

Final Measurement Results:

Frequency MHz	QP Level dBuV	QP Limit dBuV
4.44000	48.1	56.0
4.77000	53.0	56.0
6.00000	51.4	60.0
25.23000	10.7	60.0

Frequency MHz	AV Level dBuV	AV Limit dBuV
5.00000	43.1	46.0
6.14000	44.9	50.0

* limit exceeded

PAGE 2

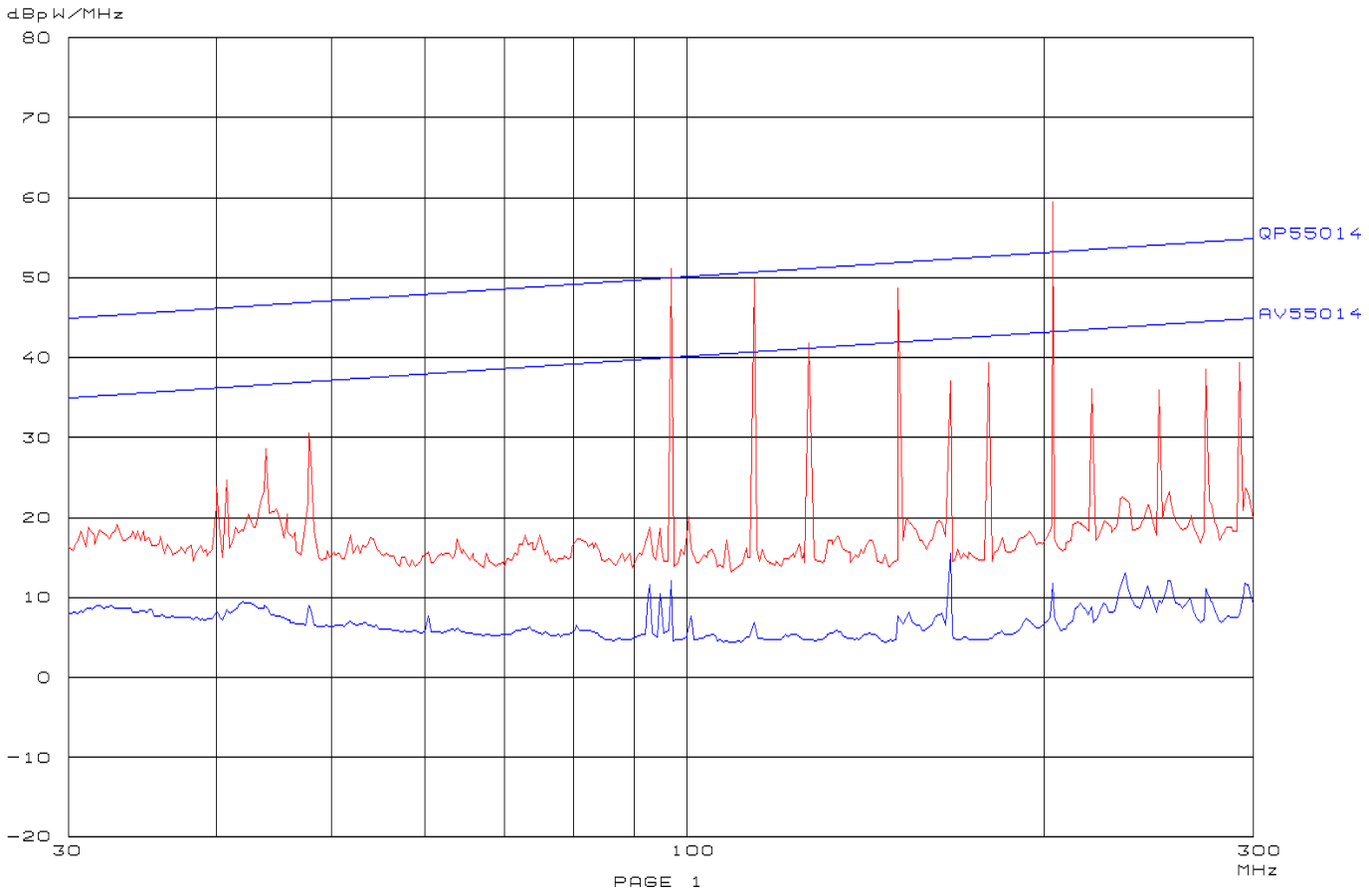
File No. E08584.09

DISTURBANCE POWER

Test point:	AC power line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC4 Standard H) Electronic control board.	

NEMKO S.p.A.
RADIATED POWER EMISSIONS ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN 55014-1
Comment: Scan with clamp at 0 cm
//



NEMKO S.p.A.
RADIATED POWER EMISSIONS ON AC MAINS

EUT: Type P58 Model E06700
Manuf: Tecnowind
Op Cond: See relevant paragraph of test report
Operator: G. Romano
Test Spec: EN 55014-1
Comment: Scan with clamp at 0 cm
//

Final Measurement Results:

Frequency MHz	QP Level dBpW	QP Limit dBpW
96.95000	17.0	50.0
113.90000	17.3	50.7
150.65000	18.0	52.0
203.20000	18.5	53.3

Frequency MHz	AV Level dBpW	AV Limit dBpW

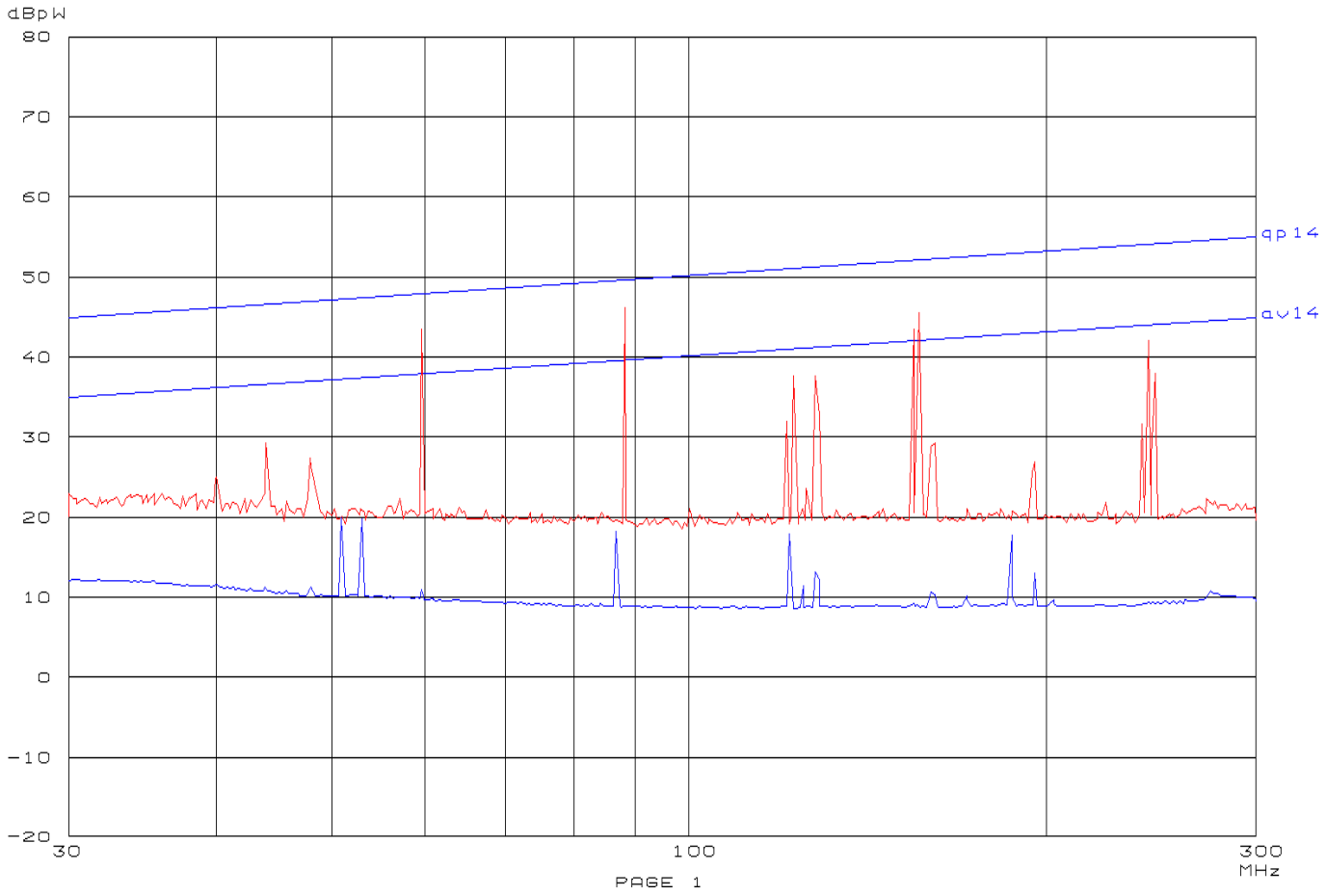
no Results

* limit exceeded

Test point:	AC power line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	EGO (Model: 75.13061.201) Electronic control board	

NEMKO S.p.A. PT Dpt
DISTURBANCE RADIATED POWER

EUT: P58...../P75.....
Manuf: Tecnowind S.p.A.
Op Cond: see relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Prescan with clamp at 0cm
4 hobs at level 5



NEMKO S.p.A. PT Dpt
DISTURBANCE RADIATED POWER

EUT: P58.....-/P75.....
Manuf: Technowind S.p.A.
Op Cond: see relevant paragraph of test report
Operator: D. Ricchi
Test Spec: EN 55014-1
Comment: Prescan with clamp at 0cm
4 hobs at level 5

Final Measurement Results:

Frequency MHz	QP Level dBpW	QP Limit dBpW
59.52500	14.2	47.9
88.35000	13.4	49.6

Frequency MHz	AV Level dBpW	AV Limit dBpW

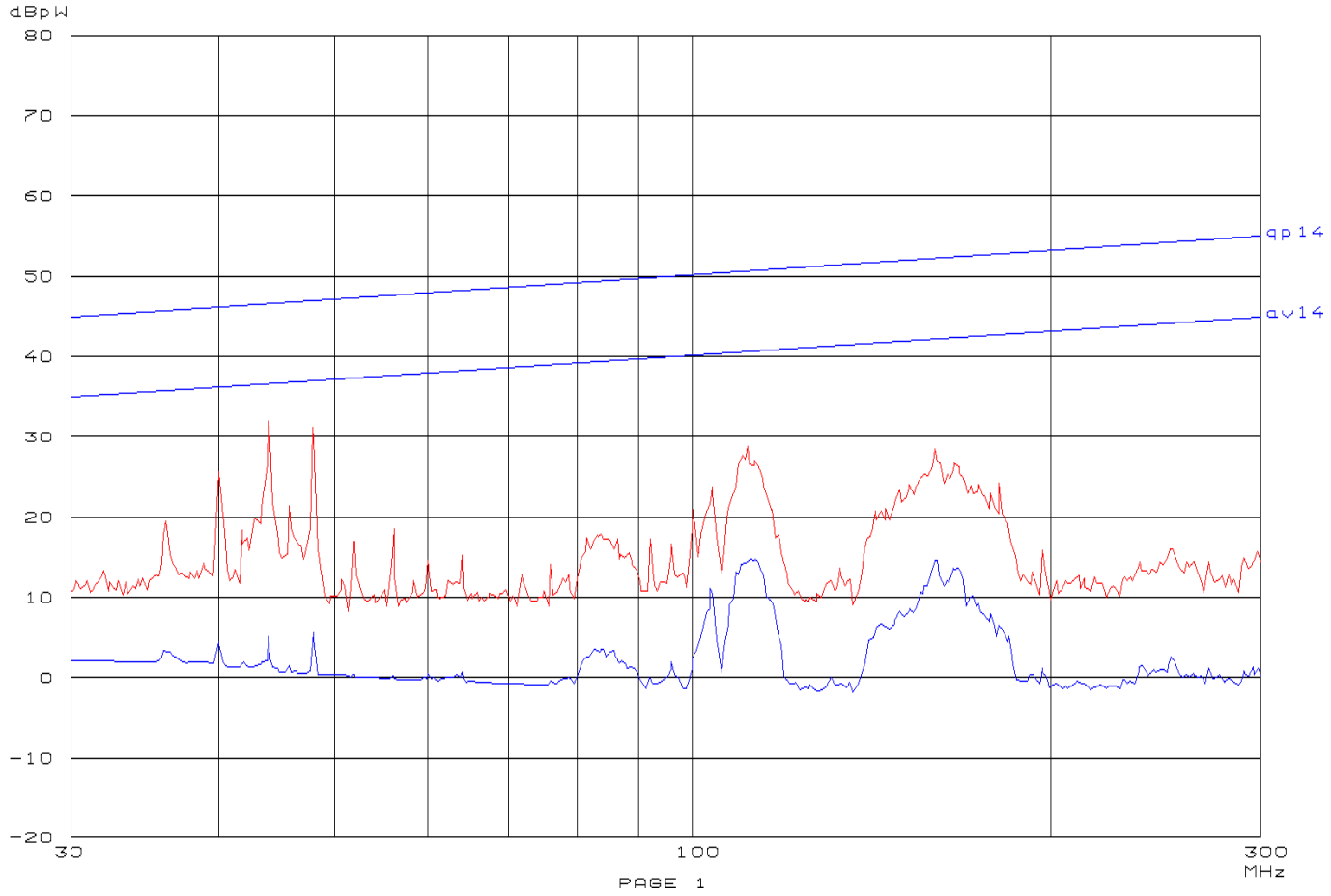
no Results

* limit exceeded

Test point:	AC power line	Result: ■ - passed
Operation mode:	Hobs at maximum heating level	o - not passed
Remarks:	DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board	

NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER (30-300MHz)

EUT:	Cooking plane TYPE P50 .....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Prescan with clamp at 0cm Hobs at max heat level



NEMKO S.p.A. PT Dpt
INTERFERENCE RADIATED POWER (30-300MHz)

EUT:	Cooking plane TYPE P50 .....
Manuf:	Tecnowind S.p.A.
Op Cond:	See relevant paragraph of test report
Operator:	D. Ricchi
Test Spec:	EN 55014-1
Comment:	Prescan with clamp at 0cm Hobs at max heat level

Final Measurement Results:

no Results

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DISCONTINUOUS DISTURBANCE VOLTAGE

- DIEHL (Model: TC4 Standard H) electronic control board. Front Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	13,2	1,51
0.5	40	0	0	40	13,2	1,51
1.40	16	0	0	40	13,2	1,51
30.0	0	0	0	40	13,2	1,51

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,51	26	92	0	0	0	13,2	10
0.5	1,51	26	82	0	0	0	13,2	10
1.40	1,51	26	82	0	0	0	13,2	10
30.0	1,51	26	86	0	0	0	13,2	10

- DIEHL (Model: TC4 Standard H) electronic control board. Front Right hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	16	0	0	40	13,6	1,47
0.5	28	0	0	40	13,6	1,47
1.40	40	0	0	40	13,6	1,47
30.0	0	0	0	40	13,6	1,47

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,47	26	92	0	0	0	13,6	10
0.5	1,47	26	82	0	0	0	13,6	10
1.40	1,47	26	82	0	0	0	13,6	10
30.0	1,47	26	86	0	0	0	13,6	10

- DIEHL (Model: TC4 Standard H) electronic control board.Rear Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	36	0	0	40	14	1,43
0.5	28	0	0	40	14	1,43
1.40	16	0	0	40	14	1,43
30.0	0	0	0	40	14	1,43

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,43	26	92	0	0	0	14	10
0.5	1,43	26	82	0	0	0	14	10
1.40	1,43	26	82	0	0	0	14	10
30.0	1,43	26	86	0	0	0	14	10

- DIEHL (Model: TC4 Standard H) electronic control board. Rear Right hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	36	0	0	40	14	1,43
0.5	32	0	0	40	14	1,43
1.40	16	0	0	40	14	1,43
30.0	0	0	0	40	14	1,43

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,43	26	92	0	0	0	14	10
0.5	1,43	26	82	0	0	0	14	10
1.40	1,43	26	82	0	0	0	14	10
30.0	1,43	26	86	0	0	0	14	10

- EGO (Model: 75.13061.201) Electronic control board. Front Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	17,3	1,16
0.5	40	0	0	40	17,3	1,16
1.40	37	0	0	40	17,3	1,16
30.0	0	0	0	40	17,3	1,16

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,16	28	94	0	0	0	17,3	10
0.5	1,16	28	84	0	0	0	17,3	10
1.40	1,16	28	84	0	0	0	17,3	10
30.0	1,16	28	78	0	0	0	17,3	10

- EGO (Model: 75.13061.201) Electronic control board. Front Right hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	17,3	1,16
0.5	40	0	0	40	17,3	1,16
1.40	37	0	0	40	17,3	1,16
30.0	0	0	0	40	17,3	1,16

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,16	28	94	0	0	0	17,3	10
0.5	1,16	28	84	0	0	0	17,3	10
1.40	1,16	28	84	0	0	0	17,3	10
30.0	1,16	28	78	0	0	0	17,3	10

- EGO (Model: 75.13061.201) Electronic control board. Rear Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	17,5	1,14
0.5	40	0	0	40	17,5	1,14
1.40	37	0	0	40	17,5	1,14
30.0	0	0	0	40	17,5	1,14

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,14	28	94	0	0	0	17,5	10
0.5	1,14	28	84	0	0	0	17,5	10
1.40	1,14	28	84	0	0	0	17,5	10
30.0	1,14	28	78	0	0	0	17,5	10

- EGO (Model: 75.13061.201) Electronic control board. Rear Right hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	17,5	1,14
0.5	40	0	0	40	17,5	1,14
1.40	37	0	0	40	17,5	1,14
30.0	0	0	0	40	17,5	1,14

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,14	28	94	0	0	0	17,5	10
0.5	1,14	28	84	0	0	0	17,5	10
1.40	1,14	28	84	0	0	0	17,5	10
30.0	1,14	28	78	0	0	0	17,5	10

- DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Front Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	13,5	1,48
0.5	38	0	0	40	13,5	1,48
1.40	16	0	0	40	13,5	1,48
30.0	0	0	0	40	13,5	1,48

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,48	26	92	0	0	0	13,5	10
0.5	1,48	26	82	0	0	0	13,5	10
1.40	1,48	26	82	0	0	0	13,5	10
30.0	1,48	26	86	0	0	0	13,5	10

- DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Center Right hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	13,5	1,48
0.5	40	0	0	40	13,5	1,48
1.40	19	0	0	40	13,5	1,48
30.0	0	0	0	40	13,5	1,48

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,48	26	92	0	0	0	13,5	10
0.5	1,48	26	82	0	0	0	13,5	10
1.40	1,48	26	82	0	0	0	13,5	10
30.0	1,48	26	86	0	0	0	13,5	10

- DIEHL (Model: TC3-Q-PT-4R-U230) Electronic control board. Rear Left hob

First Run:

Frequency (MHz)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 20 ms (n°)	Switching operations (N)	Time (min)	Click rate
0.15	40	0	0	40	14,7	1,36
0.5	38	0	0	40	14,7	1,36
1.40	19	0	0	40	14,7	1,36
30.0	0	0	0	40	14,7	1,36

Appliance which has a click rate N less than 5 clicks per minute, and which has instantaneous switching (90% clicks shorter than 10 ms and none >20ms) shall be deemed to comply with the limits, regardless of the click's amplitude.

Second Run:

Frequency (MHz)	N (n°/min)	K (dB)	Lp (dBµV)	Clicks < 10 ms (n°)	10ms<Clicks < 20 ms (n°)	Clicks > 10 ms (n°)	Time (min)	Limit (Switching operations)
0.15	1,36	26	92	0	0	0	14,7	10
0.5	1,36	26	82	0	0	0	14,7	10
1.40	1,36	26	82	0	0	0	14,7	10
30.0	1,36	26	86	0	0	0	14,7	10

HARMONIC DISTORTION

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Front Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 49.987 Range: 25 A
Irms = 8.960A Ipk = 12.81A cf = 1.429
P = 2059W S = 2058VApf = 1.000
THDi = 0.60 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	8.9451		8.9615		8.9874			
2	100	0.0000	0.0000	0.0488	4.5211	0.0488	4.5211	1.0800	
3	150	0.0000	0.0000	0.0092	0.3981	0.0092	0.3981	2.3000	
4	200	0.0000	0.0000	0.0015	0.3549	0.0015	0.3549	0.4300	
5	250	0.0000	0.0000	0.0076	0.6692	0.0076	0.6692	1.1400	
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000	
7	350	0.0000	0.0000	0.0046	0.5945	0.0046	0.5945	0.7700	
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300	
9	450	0.0000	0.0000	0.0046	1.1444	0.0046	1.1444	0.4000	
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840	
11	550	0.0000	0.0000	0.0046	1.3872	0.0046	1.3872	0.3300	
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533	
13	650	0.0000	0.0000	0.0031	1.4532	0.0031	1.4532	0.2100	
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314	
15	750	0.0000	0.0000	0.0046	3.0518	0.0046	3.0518	0.1500	
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150	
17	850	0.0000	0.0000	0.0015	1.1529	0.0015	1.1529	0.1324	
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022	
19	950	0.0000	0.0000	0.0031	2.5770	0.0031	2.5770	0.1184	
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920	
21	1050	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071	
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836	
23	1150	0.0000	0.0000	0.0015	1.5598	0.0015	1.5598	0.0978	
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767	
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900	
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708	
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833	
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776	
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613	
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726	
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575	
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682	
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541	
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643	
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511	
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608	
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577	
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460	

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Front Right hob

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 50.000 Range: 10 A
Irms = 5.103A Ipk = 7.456A cf = 1.461
P = 1172W S = 1173VApf = 0.999
THDi = 2.10 % T HDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	5.0616		5.1001		5.1111			
2	100	0.0998	9.2415	0.0995	9.2118	0.1001	9.2683	1.0800	
3	150	0.0360	1.5632	0.0360	1.5657	0.0360	1.5657	2.3000	
4	200	0.0000	0.0000	0.0055	1.2775	0.0055	1.2775	0.4300	
5	250	0.0000	0.0000	0.0067	0.5889	0.0067	0.5889	1.1400	
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000	
7	350	0.0000	0.0000	0.0037	0.4756	0.0037	0.4756	0.7700	
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300	
9	450	0.0000	0.0000	0.0031	0.7629	0.0031	0.7629	0.4000	
10	500	0.0000	0.0000	0.0000	0.0000	0.0006	0.3317	0.1840	
11	550	0.0000	0.0000	0.0031	0.9248	0.0031	0.9248	0.3300	
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533	
13	650	0.0000	0.0000	0.0031	1.4532	0.0031	1.4532	0.2100	
14	700	0.0000	0.0000	0.0000	0.0000	0.0006	0.4644	0.1314	
15	750	0.0000	0.0000	0.0031	2.0345	0.0031	2.0345	0.1500	
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150	
17	850	0.0000	0.0000	0.0018	1.3835	0.0018	1.3835	0.1324	
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022	
19	950	0.0000	0.0000	0.0018	1.5462	0.0018	1.5462	0.1184	
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920	
21	1050	0.0000	0.0000	0.0012	1.1393	0.0012	1.1393	0.1071	
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836	
23	1150	0.0000	0.0000	0.0012	1.2478	0.0012	1.2478	0.0978	
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767	
25	1250	0.0000	0.0000	0.0006	0.6782	0.0006	0.6782	0.0900	
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708	
27	1350	0.0000	0.0000	0.0006	0.7324	0.0006	0.7324	0.0833	
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776	
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613	
31	1550	0.0000	0.0000	0.0006	0.8409	0.0006	0.8409	0.0726	
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575	
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682	
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541	
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643	
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511	
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608	
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577	
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460	

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Rear Left hob

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 49.987 Range: 10 A
Irms = 5.103A Ipk = 7.446A cf = 1.459
P = 1172W S = 1173VApf = 0.999
THDi = 2.10 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	5.0752		5.0995		5.1105			
2	100	0.0996	9.2208	0.0995	9.2118	0.1001	9.2683	1.0800	
3	150	0.0355	1.5418	0.0354	1.5391	0.0360	1.5657	2.3000	
4	200	0.0000	0.0000	0.0055	1.2775	0.0055	1.2775	0.4300	
5	250	0.0000	0.0000	0.0067	0.5889	0.0073	0.6425	1.1400	
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000	
7	350	0.0000	0.0000	0.0037	0.4756	0.0037	0.4756	0.7700	
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300	
9	450	0.0000	0.0000	0.0037	0.9155	0.0037	0.9155	0.4000	
10	500	0.0000	0.0000	0.0000	0.0000	0.0006	0.3317	0.1840	
11	550	0.0000	0.0000	0.0031	0.9248	0.0031	0.9248	0.3300	
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533	
13	650	0.0000	0.0000	0.0031	1.4532	0.0031	1.4532	0.2100	
14	700	0.0000	0.0000	0.0000	0.0000	0.0006	0.4644	0.1314	
15	750	0.0000	0.0000	0.0031	2.0345	0.0031	2.0345	0.1500	
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150	
17	850	0.0000	0.0000	0.0018	1.3835	0.0024	1.8446	0.1324	
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022	
19	950	0.0000	0.0000	0.0018	1.5462	0.0018	1.5462	0.1184	
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920	
21	1050	0.0000	0.0000	0.0012	1.1393	0.0012	1.1393	0.1071	
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836	
23	1150	0.0000	0.0000	0.0012	1.2478	0.0012	1.2478	0.0978	
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767	
25	1250	0.0000	0.0000	0.0006	0.6782	0.0006	0.6782	0.0900	
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708	
27	1350	0.0000	0.0000	0.0006	0.7324	0.0006	0.7324	0.0833	
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	
29	1450	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776	
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613	
31	1550	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726	
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575	
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682	
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541	
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643	
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511	
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608	
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577	
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460	

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Rear Right hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 49.987 Range: 25 A
Irms = 9.363A Ipk = 13.38A cf = 1.429
P = 2150W S = 2151VA pf = 1.000
THDi = 0.60 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status
1	50	9.3690		9.3597		9.3857			
2	100	0.0000	0.0000	0.0534	4.9450	0.0534	4.9450	1.0800	
3	150	0.0000	0.0000	0.0122	0.5307	0.0122	0.5307	2.3000	
4	200	0.0000	0.0000	0.0015	0.3549	0.0015	0.3549	0.4300	
5	250	0.0000	0.0000	0.0076	0.6692	0.0076	0.6692	1.1400	
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000	
7	350	0.0000	0.0000	0.0046	0.5945	0.0046	0.5945	0.7700	
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300	
9	450	0.0000	0.0000	0.0046	1.1444	0.0046	1.1444	0.4000	
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840	
11	550	0.0000	0.0000	0.0046	1.3872	0.0046	1.3872	0.3300	
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533	
13	650	0.0000	0.0000	0.0015	0.7266	0.0031	1.4532	0.2100	
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314	
15	750	0.0000	0.0000	0.0046	3.0518	0.0046	3.0518	0.1500	
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150	
17	850	0.0000	0.0000	0.0015	1.1529	0.0015	1.1529	0.1324	
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022	
19	950	0.0000	0.0000	0.0031	2.5770	0.0031	2.5770	0.1184	
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920	
21	1050	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071	
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836	
23	1150	0.0000	0.0000	0.0031	3.1196	0.0031	3.1196	0.0978	
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767	
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900	
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708	
27	1350	0.0000	0.0000	0.0015	1.8311	0.0015	1.8311	0.0833	
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657	
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776	
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613	
31	1550	0.0000	0.0000	0.0000	0.0000	0.0015	2.1023	0.0726	
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575	
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682	
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541	
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643	
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511	
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608	
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484	
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577	
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460	

Operation mode: Hobs at maximum heating level
Remarks: EGO (Model: 75.13061.201) electronic control board.
Front Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.000 Range: 5 A
Irms = 3.054A Ipk = 4.353A cf = 1.425
P = 701.5W S = 701.6VA pf = 1.000
THDi = 0.50 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	2.8720		3.0539	99.990		3.0621				229.67
2	100	0.0000	0.0000	0.0018	0.0600	0.1695	0.0024	0.2261	1.0800		0.1227
3	150	0.0007	0.0312	0.0122	0.3997	0.5307	0.0128	0.5573	2.3000		0.0245
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.3549	0.4300		0.0000
5	250	0.0005	0.0403	0.0082	0.2698	0.7228	0.0082	0.7228	1.1400		0.0000
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.4069	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0200	0.0793	0.0018	0.2378	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0009	0.3981	0.2300		0.0000
9	450	0.0000	0.0000	0.0003	0.0100	0.0763	0.0012	0.3052	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.3317	0.1840		0.0000
11	550	0.0000	0.0000	0.0003	0.0100	0.0925	0.0006	0.1850	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.1990	0.1533		0.0000
13	650	0.0000	0.0000	0.0003	0.0100	0.1453	0.0003	0.1453	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2322	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2035	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2654	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2306	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2985	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2577	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.3317	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.2848	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.3649	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: EGO (Model: 75.13061.201) electronic control board.
Front Right hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 49.961 Range: 10 A
Irms = 0.039A Ipk = 0.107A cf = 2.750
P = 2.700W S = 8.973VA pf = 0.301
THDi = 45.3 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	3.6752		0.0287	73.438		5.0641				229.74
2	100	0.0002	0.0174	0.0000	0.0000	0.0000	0.0146	1.3563	1.0800		0.1227
3	150	0.0032	0.1378	0.0116	29.688	0.5042	0.0159	0.6900	2.3000		0.0000
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0049	1.1355	0.4300		0.0000
5	250	0.0021	0.1878	0.0079	20.313	0.6960	0.0092	0.8031	1.1400		0.0000
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	1.5625	0.0793	0.0024	0.3171	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5307	0.2300		0.0000
9	450	0.0000	0.0000	0.0006	1.5625	0.1526	0.0018	0.4578	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.6634	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.3699	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.4644	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.4069	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5307	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.4612	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5154	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: EGO (Model: 75.13061.201) electronic control board.
Rear Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.013 Range: 10 A
Irms = 5.283A Ipk = 7.510A cf = 1.421
P = 1214W S = 1214VA pf = 1.000
THDi = 0.30 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	5.0533		5.2832	100.00		5.3162				229.67
2	100	0.0001	0.0061	0.0018	0.0347	0.1695	0.0153	1.4129	1.0800		0.0982
3	150	0.0005	0.0198	0.0128	0.2426	0.5573	0.0171	0.7430	2.3000		0.0491
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0055	1.2775	0.4300		0.0000
5	250	0.0003	0.0268	0.0085	0.1617	0.7496	0.0098	0.8566	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.0173	0.3000		0.0000
7	350	0.0000	0.0000	0.0006	0.0116	0.0793	0.0037	0.4756	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0024	1.0615	0.2300		0.0000
9	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.4578	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.6634	0.1840		0.0000
11	550	0.0000	0.0000	0.0006	0.0116	0.1850	0.0018	0.5549	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	1.1942	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.5813	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0006	0.0116	0.4069	0.0012	0.8138	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9223	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5154	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5697	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6239	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6782	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7324	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7867	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1278	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9494	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.1942	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.2605	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.3269	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: EGO (Model: 75.13061.201) electronic control board.
Rear Right hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.000 Range: 25 A
Irms = 7.886A Ipk = 11.17A cf = 1.416
P = 1812W S = 1811VA pf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	6.9142		7.8827	99.961		7.9041				229.59
2	100	0.0002	0.0184	0.0031	0.0387	0.2826	0.0244	2.2606	1.0800		0.1227
3	150	0.0014	0.0623	0.0137	0.1741	0.5971	0.0214	0.9288	2.3000		0.0491
4	200	0.0000	0.0012	0.0000	0.0000	0.0000	0.0061	1.4194	0.4300		0.0000
5	250	0.0009	0.0784	0.0076	0.0967	0.6692	0.0107	0.9369	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	1.5259	0.3000		0.0000
7	350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	0.5945	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.3269	0.2300		0.0000
9	450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	0.7629	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.6586	0.1840		0.0000
11	550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.4624	0.3300		0.0245
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.9951	0.1533		0.0000
13	650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.7266	0.2100		0.0245
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1610	0.1314		0.0000
15	750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.0173	0.1500		0.0245
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.3269	0.1150		0.0000
17	850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1529	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4927	0.1022		0.0000
19	950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.2885	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6586	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Rear left hob

Result: ■ - passed
o - not passed

Urms = 229.9V Freq = 50.013 Range: 10 A
Irms = 0.029A Ipk = 0.098A cf = 3.333
P = 1.227W S = 6.736VA pf = 0.182
THDi = 63.7 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	4.6611		0.0116	39.583		5.1532				229.86
2	100	0.0000	0.0043	0.0000	0.0000	0.0000	0.0165	1.5259	1.0800		0.1227
3	150	0.0000	0.0004	0.0037	12.500	0.1592	0.0110	0.4777	2.3000		0.0000
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	0.8517	0.4300		0.0000
5	250	0.0000	0.0005	0.0043	14.583	0.3748	0.0061	0.5354	1.1400		0.0000
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0037	1.2207	0.3000		0.0000
7	350	0.0000	0.0000	0.0037	12.500	0.4756	0.0049	0.6341	0.7700		0.0000
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.7961	0.2300		0.0000
9	450	0.0000	0.0000	0.0031	10.417	0.7629	0.0049	1.2207	0.4000		0.0000
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0018	0.9951	0.1840		0.0000
11	550	0.0000	0.0000	0.0031	10.417	0.9248	0.0043	1.2947	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.7961	0.1533		0.0000
13	650	0.0000	0.0000	0.0024	8.3333	1.1626	0.0043	2.0345	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	0.9288	0.1314		0.0000
15	750	0.0000	0.0000	0.0024	8.3333	1.6276	0.0037	2.4414	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0012	1.0615	0.1150		0.0000
17	850	0.0000	0.0000	0.0024	8.3333	1.8446	0.0031	2.3058	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.5971	0.1022		0.0000
19	950	0.0000	0.0000	0.0018	6.2500	1.5462	0.0024	2.0616	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.6634	0.0920		0.0000
21	1050	0.0000	0.0000	0.0012	4.1667	1.1393	0.0018	1.7090	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7298	0.0836		0.0000
23	1150	0.0000	0.0000	0.0012	4.1667	1.2478	0.0012	1.2478	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.7961	0.0767		0.0000
25	1250	0.0000	0.0000	0.0012	4.1667	1.3563	0.0012	1.3563	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8625	0.0708		0.0000
27	1350	0.0000	0.0000	0.0006	2.0833	0.7324	0.0012	1.4648	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9288	0.0657		0.0000
29	1450	0.0000	0.0000	0.0006	2.0833	0.7867	0.0012	1.5734	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9951	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8409	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0615	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.8952	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	0.9494	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0037	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0006	1.0579	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Center Right hob

Result: ■ - passed
o - not passed

Urms = 229.5V Freq = 50.026 Range: 25 A
Irms = 10.35A Ipk = 14.71A cf = 1.421
P = 2377W S = 2376VApf = 1.000
THDi = 0.20 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	10.342		10.353	100.01		10.355				229.52
2	100	0.0000	0.0000	0.0046	0.0442	0.4239	0.0046	0.4239	1.0800		0.1227
3	150	0.0000	0.0000	0.0061	0.0590	0.2654	0.0061	0.2654	2.3000		0.0736
4	200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.4300		0.0000
5	250	0.0000	0.0000	0.0046	0.0442	0.4015	0.0046	0.4015	1.1400		0.0736
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.3000		0.0000
7	350	0.0000	0.0000	0.0061	0.0590	0.7927	0.0061	0.7927	0.7700		0.0491
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.2300		0.0000
9	450	0.0000	0.0000	0.0031	0.0295	0.7629	0.0031	0.7629	0.4000		0.0491
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1840		0.0000
11	550	0.0000	0.0000	0.0046	0.0442	1.3872	0.0046	1.3872	0.3300		0.0491
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1533		0.0000
13	650	0.0000	0.0000	0.0015	0.0147	0.7266	0.0015	0.7266	0.2100		0.0491
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1314		0.0000
15	750	0.0000	0.0000	0.0046	0.0442	3.0518	0.0046	3.0518	0.1500		0.0491
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1150		0.0000
17	850	0.0000	0.0000	0.0015	0.0147	1.1529	0.0015	1.1529	0.1324		0.0245
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1022		0.0000
19	950	0.0000	0.0000	0.0031	0.0295	2.5770	0.0031	2.5770	0.1184		0.0245
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1071		0.0245
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0031	0.0295	3.1196	0.0031	3.1196	0.0978		0.0245
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0900		0.0245
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0015	0.0147	1.8311	0.0015	1.8311	0.0833		0.0245
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0776		0.0245
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0015	0.0147	2.1023	0.0015	2.1023	0.0726		0.0245
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0245
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.5092	0.0608		0.0245
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Front Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.039 Range: 25 A
Irms = 7.922A Ipk = 11.27A cf = 1.422
P = 1820W S = 1820VA pf = 1.000
THDi = 0.30 % THDu = 0.10 % Class A

Test - Time : 5min (100 %)

Test completed, Result: PASSED

Order	Freq. [Hz]	Iavg [A]	Iavg%L [%]	Irms [A]	Irms% [%]	Irms%L [%]	Imax [A]	Imax%L [%]	Limit [A]	Status	Vrms [V]
1	50	6.5023		5.3497	67.527		7.9071				229.67
2	100	0.0000	0.0025	0.0092	0.1156	0.8477	0.0229	2.1193	1.0800		0.1227
3	150	0.0001	0.0046	0.0046	0.0578	0.1990	0.0168	0.7298	2.3000		0.0245
4	200	0.0000	0.0012	0.0015	0.0193	0.3549	0.0076	1.7743	0.4300		0.0000
5	250	0.0000	0.0015	0.0031	0.0385	0.2677	0.0076	0.6692	1.1400		0.0245
6	300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0046	1.5259	0.3000		0.0000
7	350	0.0001	0.0080	0.0046	0.0578	0.5945	0.0076	0.9908	0.7700		0.0245
8	400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.3269	0.2300		0.0000
9	450	0.0000	0.0013	0.0015	0.0193	0.3815	0.0046	1.1444	0.4000		0.0245
10	500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0031	1.6586	0.1840		0.0000
11	550	0.0000	0.0000	0.0031	0.0385	0.9248	0.0046	1.3872	0.3300		0.0000
12	600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	0.9951	0.1533		0.0000
13	650	0.0000	0.0000	0.0015	0.0193	0.7266	0.0031	1.4532	0.2100		0.0000
14	700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.1610	0.1314		0.0000
15	750	0.0000	0.0000	0.0031	0.0385	2.0345	0.0031	2.0345	0.1500		0.0000
16	800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.3269	0.1150		0.0000
17	850	0.0000	0.0000	0.0015	0.0193	1.1529	0.0031	2.3058	0.1324		0.0000
18	900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4927	0.1022		0.0000
19	950	0.0000	0.0000	0.0015	0.0193	1.2885	0.0031	2.5770	0.1184		0.0000
20	1000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6586	0.0920		0.0000
21	1050	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.4242	0.1071		0.0000
22	1100	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0836		0.0000
23	1150	0.0000	0.0000	0.0015	0.0193	1.5598	0.0015	1.5598	0.0978		0.0000
24	1200	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0767		0.0000
25	1250	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.6954	0.0900		0.0000
26	1300	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0708		0.0000
27	1350	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.8311	0.0833		0.0000
28	1400	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0657		0.0000
29	1450	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	1.9667	0.0776		0.0000
30	1500	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0613		0.0000
31	1550	0.0000	0.0000	0.0000	0.0000	0.0000	0.0015	2.1023	0.0726		0.0000
32	1600	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0575		0.0000
33	1650	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0682		0.0000
34	1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0541		0.0000
35	1750	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0643		0.0000
36	1800	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0511		0.0000
37	1850	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0608		0.0000
38	1900	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0484		0.0000
39	1950	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0577		0.0000
40	2000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0460		0.0000

VOLTAGE FLUCTUATIONS AND FLICKER

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Front Left hob

Result: ■ - passed
o - not passed

Urms = 226.2V Freq = 50.013 Range: 25 A
Irms = 8.813A Ipk = 12.60A cf = 1.429
P = 1993W S = 1993VApf = 1.000

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.981	1.880	1.820	0.000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Front Right hob

Result: ■ - passed
o - not passed

Urms = 227.8V Freq = 50.013 Range: 10 A
Irms = 5.059A Ipk = 7.388A cf = 1.460
P = 1151W S = 1152VApf = 0.999

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.487	1.100	1.080	0.000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Rear Left hob

Result: ■ - passed
o - not passed

Urms = 227.8V Freq = 50.000 Range: 10 A
Irms = 5.054A Ipk = 7.378A cf = 1.460
P = 1150W S = 1151VApf = 0.999

Test - Time : 1 x 5min = 5min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.645	1.090	1.080	0.000

Operation mode: Hobs at maximum heating level
Remarks: DIEHL (Model: TC4 Standard H) electronic control board. Rear Right hob

Result: ■ - passed
o - not passed

Urms = 226.0V Freq = 50.013 Range: 50 A
Irms = 9.204A Ipk = 13.18A cf = 1.432
P = 2078W S = 2080VApf = 0.999

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASS

Pst [%]	dmax [%]	dc [ms]	dt>Lim
0.997	1.960	1.870	0.000

Operation mode: Hobs at heating level 5
Remarks: EGO (Model: 75.13061.201) electronic control board.
Front Left hob

Result: ■ - passed
o - not passed

Urms =	228.3V	Freq =	49.987	Range:	5 A
Irms =	3.044A	pk =	4.338A	cf =	1.425
P =	694.7W	S =	695.2VA	pf =	0.999

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits :	Plt :	0.65	Pst :	1.00
	dmax :	4.00 %	dc :	3.30 %
	dtLim:	3.30 %	dt>Lim:	500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.328	0.650	0.640	0.000

Operation mode: Hobs at heating level 5
Remarks: EGO (Model: 75.13061.201) electronic control board.
Front Right hob

Result: ■ - passed
o - not passed

Urms =	229.5V	Freq =	50.013	Range:	10 A
Irms =	0.039A	Ipk =	0.098A	cf =	2.500
P =	2.454W	S =	8.966VA	pf =	0.274

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits :	Plt :	0.65	Pst :	1.00
	dmax :	4.00 %	dc :	3.30 %
	dtLim:	3.30 %	dt>Lim:	500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.538	1.070	1.050	0.000

Operation mode: Hobs at heating level 5
Remarks: EGO (Model: 75.13061.201) electronic control board.
Rear Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.013 Range: 10 A
Irms = 0.039A Ipk = 0.098A cf = 2.500
P = 2.454W S = 8.973VA pf = 0.274

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.568	1.120	1.100	0.000

Operation mode: Hobs at heating level 5
Remarks: EGO (Model: 75.13061.201) electronic control board.
Rear Right hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.000 Range: 25 A
Irms = 0.037A Ipk = 0.085A cf = 2.333
P = 2.454W S = 8.412VA pf = 0.292

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.841	1.640	1.610	0.000

Operation mode: Hobs at heating level 5
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Front Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.013 Range: 25 A
Irms = 0.012A Ipk = 0.061A cf = 5.000
P = 1.227W S = 2.804VA pf = 0.438

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.911	1.660	1.640	0.000

Operation mode: Hobs at heating level 5
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Center Right hob

Result: ■ - passed
o - not passed

Urms = 229.7V Freq = 50.026 Range: 25 A
Irms = 0.012A Ipk = 0.061A cf = 5.000
P = 1.227W S = 2.804VA pf = 0.438

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits : Plt : 0.65 Pst : 1.00
dmax : 4.00 % dc : 3.30 %
dtLim: 3.30 % dt>Lim: 500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
1.191	2.150	2.120	0.000

Operation mode: Hobs at heating level 5
Remarks: DIEHL (Model: TC3-Q-PT-4R-U230) electronic control board. Rear Left hob

Result: ■ - passed
o - not passed

Urms = 229.7V	Freq = 50.000	Range: 50 A
Irms = 0.024A	Ipk = 0.073A	cf = 3.000
P = 1.227W	S = 5.608VA	pf = 0.219

Test - Time : 1 x 10min = 10min (100 %)

LIN (Line Impedance Network) : L: 0.24ohm +j0.15ohm N: 0.16ohm +j0.10ohm

Limits :	Plt :	0.65	Pst :	1.00
	dmax :	4.00 %	dc :	3.30 %
	dtLim:	3.30 %	dt>Lim:	500ms

Test completed, Result: PASSED

Pst	dmax [%]	dc [%]	dt>Lim [ms]
0.503	1.110	1.110	0.000

MEASUREMENTS – ORDER NUMBER 141973

SCOPE OF WORK

The manufacturer has introduced two new control and power PCBs, BJ350A36211101 was selected as representative for both of then and was tested and qualified for this family.

Testing was performed on the P58 EV6200 model.

Components qualified this time:

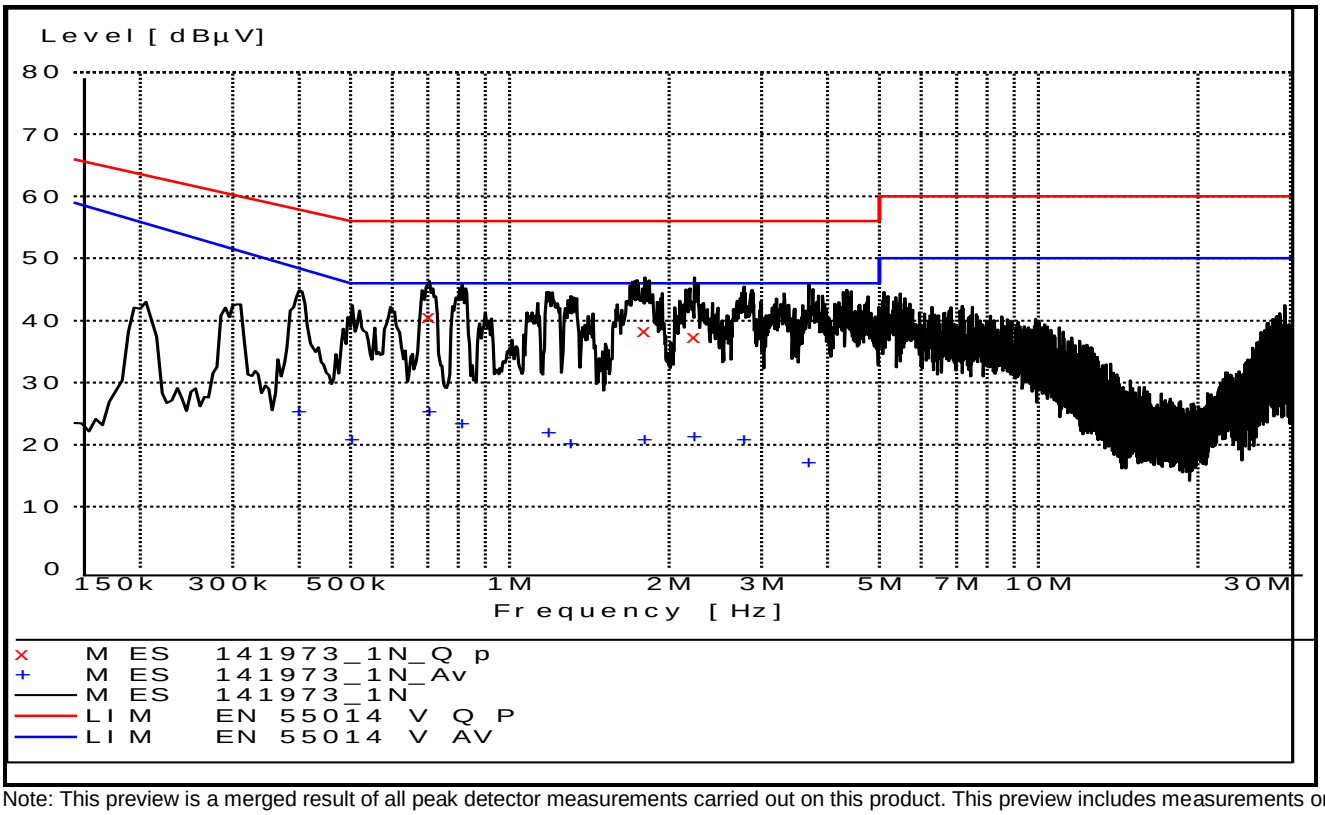
Component	Manufacturer	Model	Conformity
Control PCB	EIKA	BJ350A36211101	Tested
Control PCB	EIKA	BJ361A36211101	Not tested

USED TEST EQUIPMENT

Equipment	Manufacturer	Model	Instrument N°	Calibration
EMI Receiver	Rohde&Schwarz	ESHS 30	N-3529	11/2010
LISN	Rohde&Schwarz	ESH2-Z5	N-3558	08/2010
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	N-3932	10/2010
Clamp	Rohde&Schwarz	MDS 21	N-4275	12/2010
EMI Receiver	Rohde&Schwarz	ESVS 20	N-2886	12/2010
Power Analyzer	California Instruments	C15000iX-400-CTS	N-4082	03/2010
CS Test System	Schaffner	Best EMC	N-4103	03/2010
Amplifier	Amplifier Research	75A250	N-3883	N/A
Attenuator	Narda	FSCM 99899 769-6	N-4189	N/A
Generator, RF	Rohde&Schwarz	SMG	N-2885	04/2012
Power Meter	Agilent	EPM E4419B	N-4459	10/2010
ESD Generator	Schaffner	NSG 435	N-3355	10/2010

EMISSION – MAINS PORT DISTURBANCE VOLTAGE

Disturbance Preview



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

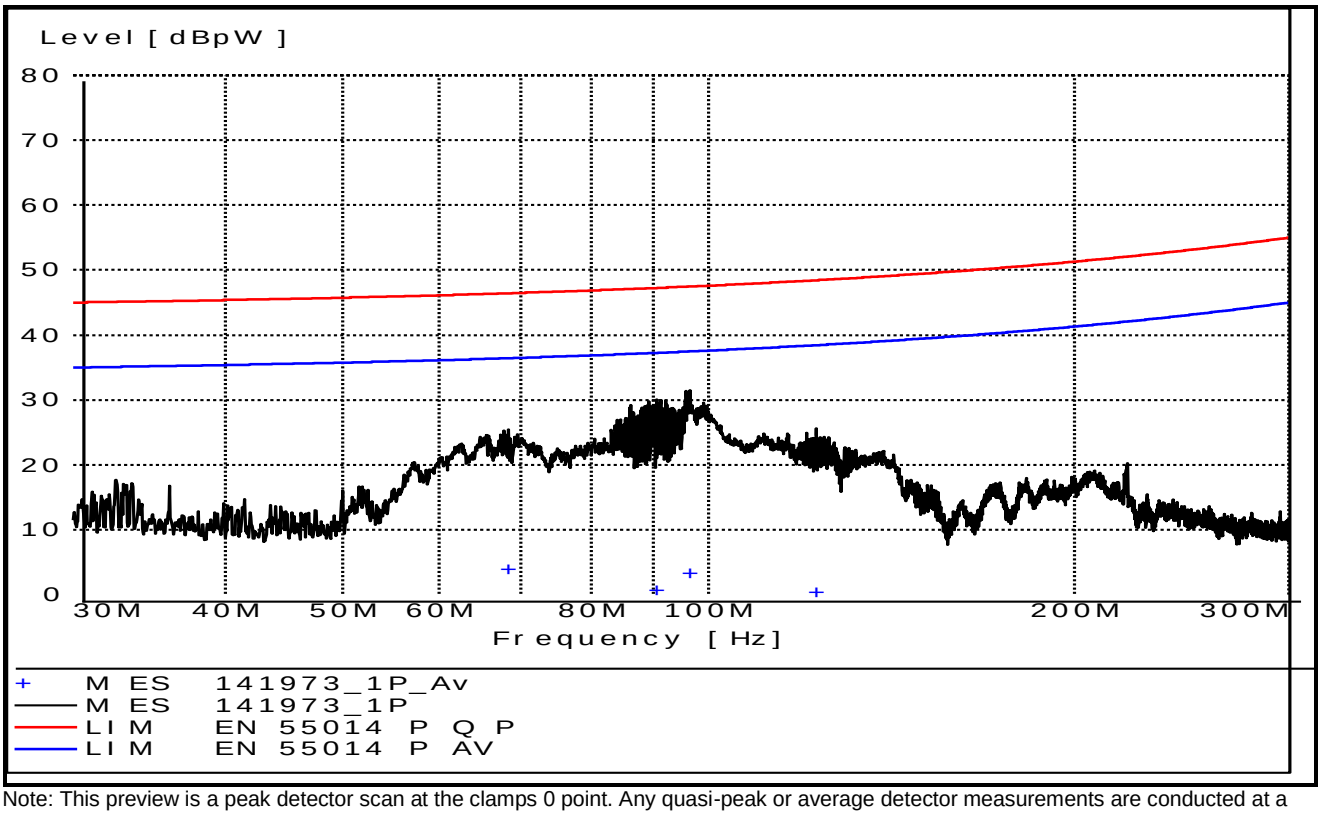
Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.705000	40.60	10.20	56.00	-15.40	QP	L1	Pass
1.800000	38.30	10.20	56.00	-17.70	QP	L1	Pass
2.235000	37.40	10.30	56.00	-18.60	QP	L1	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.400000	25.30	10.20	48.40	-23.10	AV	L1	Pass
0.505000	20.80	10.20	46.00	-25.20	AV	L1	Pass
0.705000	25.30	10.20	46.00	-20.70	AV	L1	Pass
0.815000	23.40	10.20	46.00	-22.60	AV	L1	Pass
1.190000	21.90	10.20	46.00	-24.10	AV	L1	Pass
1.305000	20.20	10.20	46.00	-25.80	AV	L1	Pass
1.800000	20.70	10.20	46.00	-25.30	AV	L1	Pass
2.235000	21.30	10.30	46.00	-24.70	AV	L1	Pass
2.775000	20.70	10.30	46.00	-25.30	AV	L1	Pass
3.685000	17.10	10.30	46.00	-28.90	AV	L1	Pass

EMISSION – DISTURBANCE POWER

Disturbance Preview



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
-	-	-	-	-	-	-	Pass

Average Detector Data

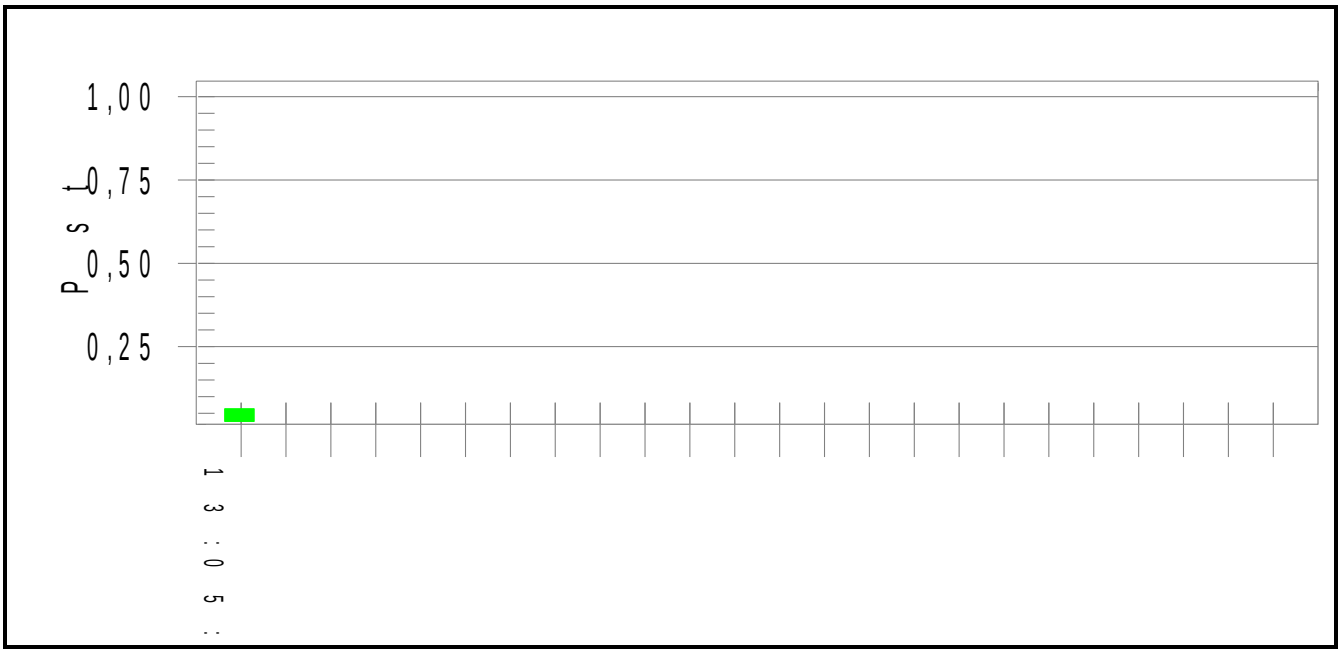
Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
68.400000	3.90	7.60	36.4	-32.50	AV	74.0	Pass
90.540000	0.60	7.80	37.2	-36.60	AV	7.0	Pass
96.420000	3.30	7.80	37.5	-34.20	AV	1.0	Pass
122.580000	0.40	6.80	38.4	-38.00	AV	108.0	Pass

POWER QUALITY – FLICKER

Numeric Presentation (Front Left)

Parameter	Limit	Measured	Result
Dmax	4 %	-0.19 %	PASS
Dc	3.3 %	0 %	PASS
Dt	500 msec	0 msec	PASS
Pst	1.0	0.064	PASS
Plt	0.65	-	N/A

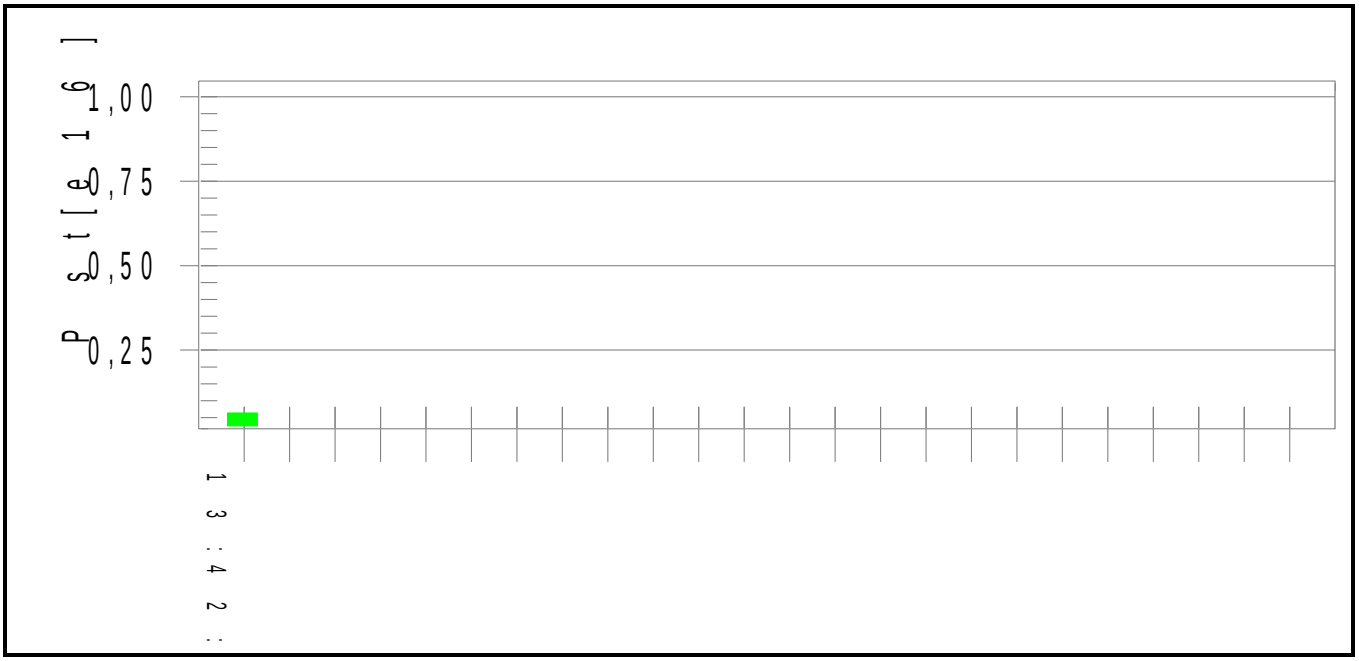
Flicker Probability – Pst



Numeric Presentation (Front right)

Parameter	Limit	Measured	Result
Dmax	4 %	-0.14 %	PASS
Dc	3.3 %	0 %	PASS
Dt	500 msec	0 msec	PASS
Pst	1.0	0.064	PASS
Plt	0.65	-	N/A

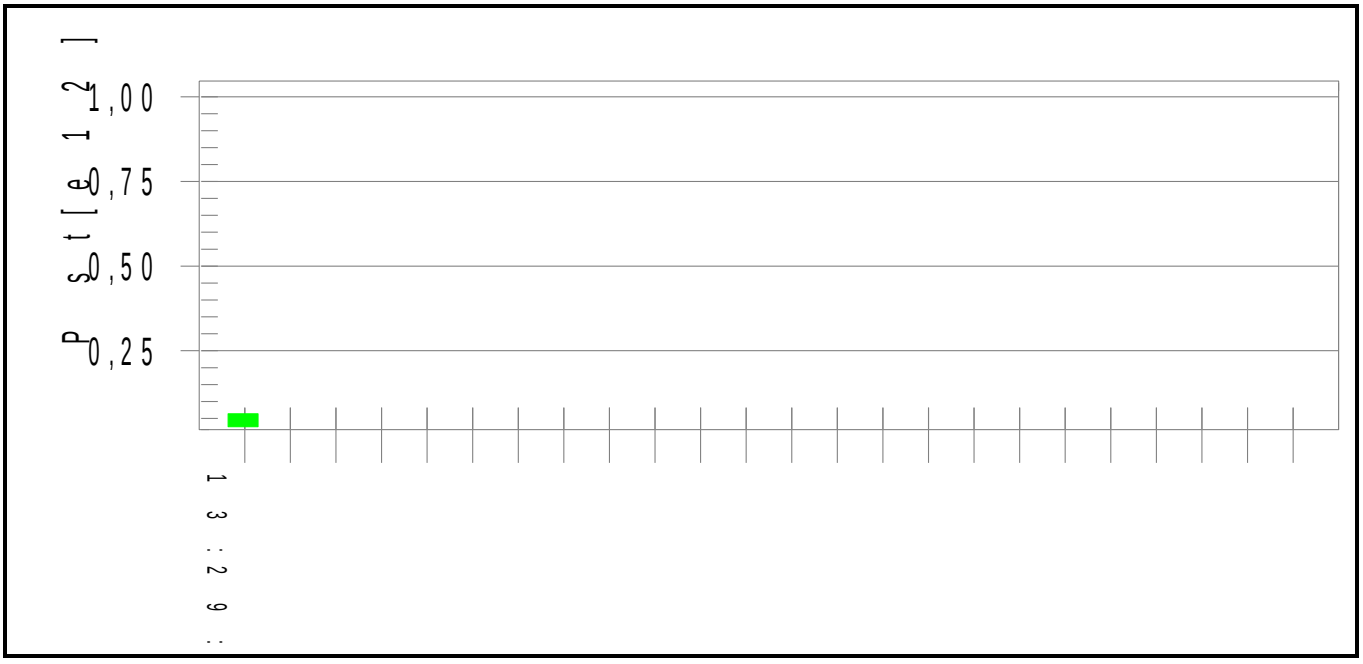
Flicker Probability – Pst



Numeric Presentation (rear Left)

Parameter	Limit	Measured	Result
Dmax	4 %	-0.11 %	PASS
Dc	3.3 %	0 %	PASS
Dt	500 msec	0 msec	PASS
Pst	1.0	0.064	PASS
Plt	0.65	-	N/A

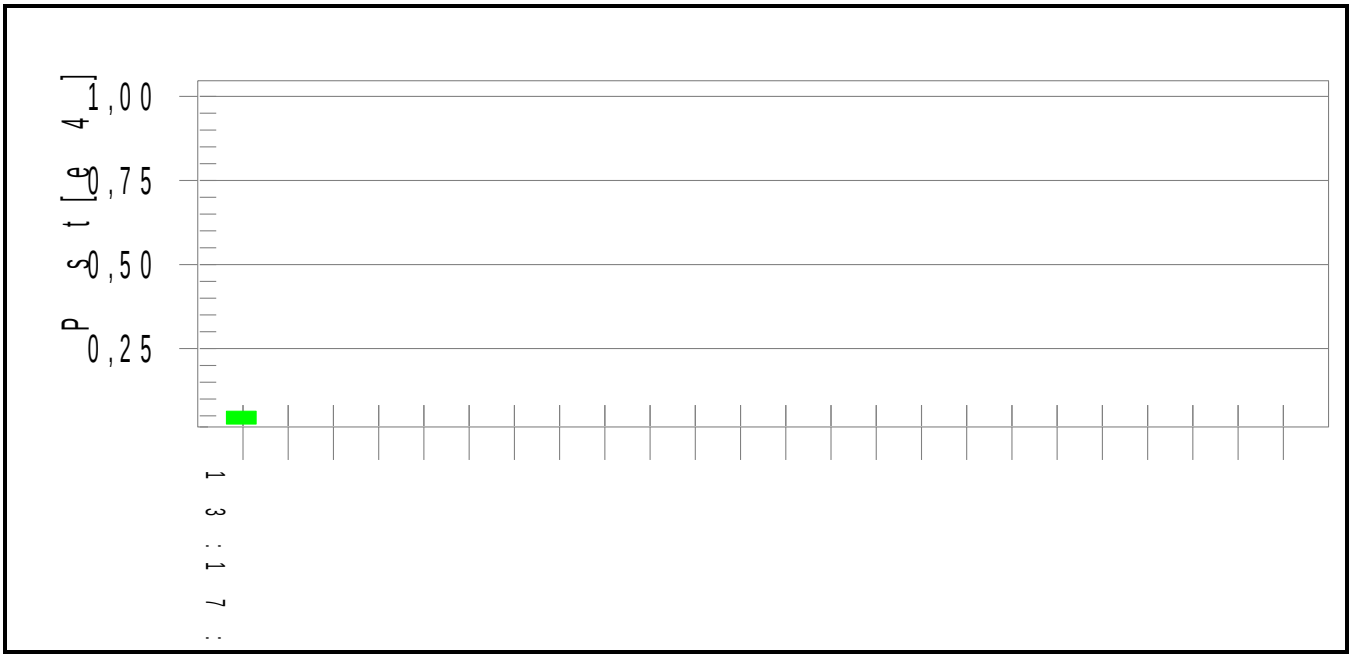
Flicker Probability – Pst



Numeric Presentation (rear Left)

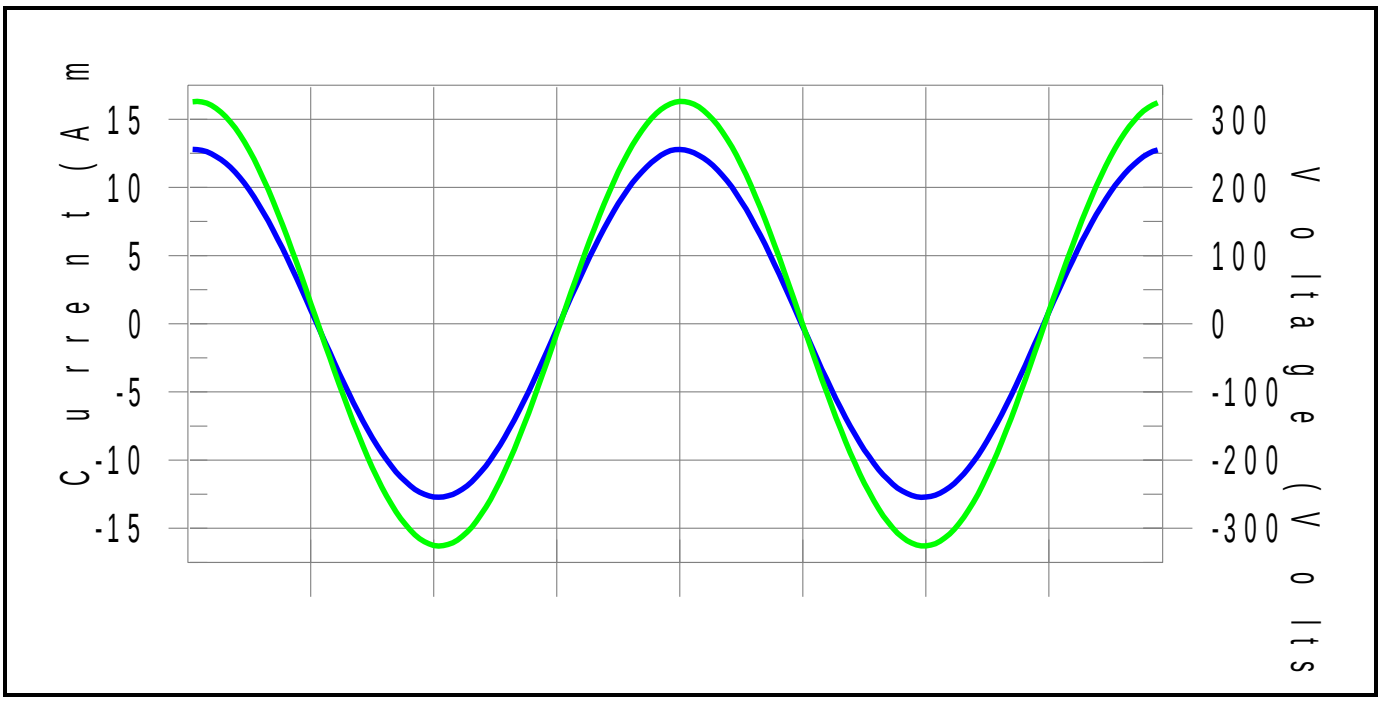
Parameter	Limit	Measured	Result
Dmax	4 %	-0.11 %	PASS
Dc	3.3 %	0 %	PASS
Dt	500 msec	0 msec	PASS
Pst	1.0	0.064	PASS
Plt	0.65	-	N/A

Flicker Probability – Pst

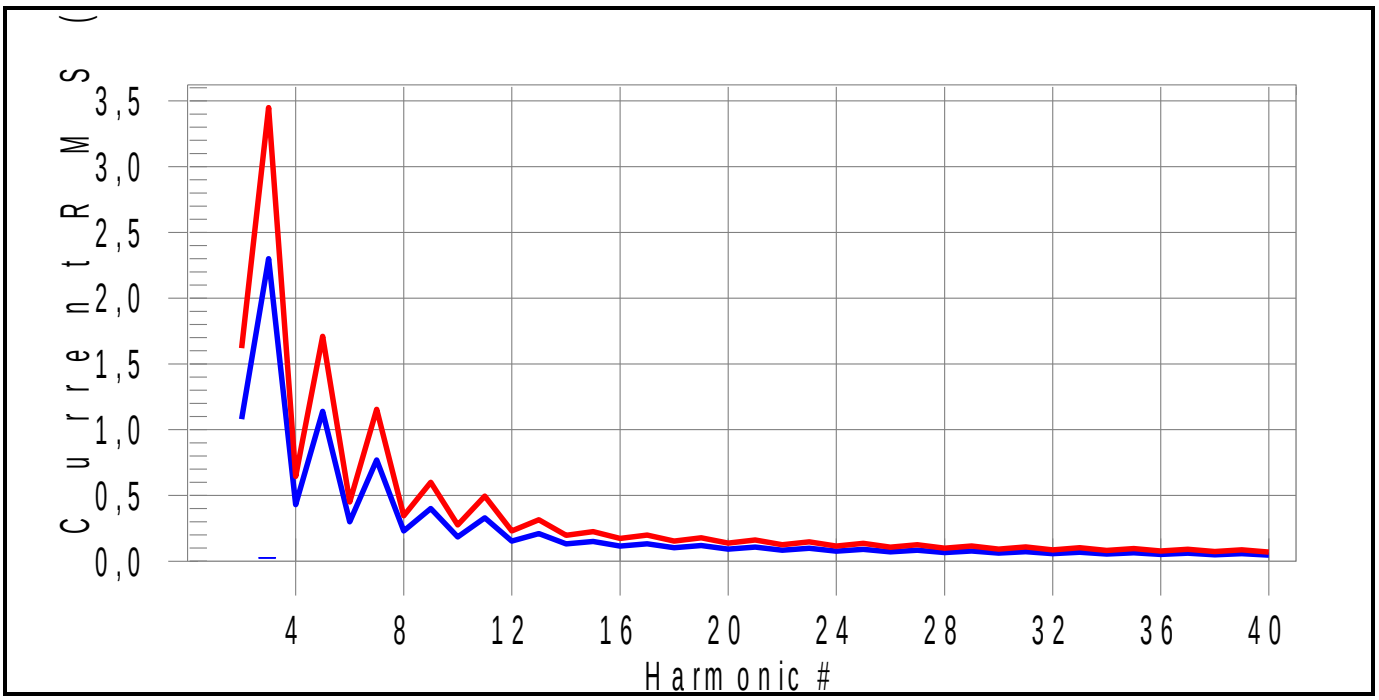


POWER QUALITY – HARMONIC DISTORTION

Current & Voltage Waveshape



Harmonic Contents – Graphic Presentation



Harmonic Contents – Numeric Values

Test Result: Pass **Source qualification: Normal**
THC(A): 0,02 **I-THD(%): 0,26** **POHC(A): 0,000** **POHC Limit(A): 0,320**
Highest parameter values during test:

V_RMS (Volts):	**230,69**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**12,804**	**I_RMS (Amps):**	**9,010**
I_Fund (Amps):	**9,003**	**Crest Factor:**	**1,426**
Power (Watts):	**2076,8**	**Power Factor:**	**1,000**

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,006	1,080	0,6	0,011	1,620	0,68	Pass
3	0,020	2,300	0,9	0,028	3,450	0,81	Pass
4	0,005	0,430	1,3	0,008	0,645	1,17	Pass
5	0,006	1,140	0,5	0,007	1,710	0,40	Pass
6	0,004	0,300	0,0	0,005	0,450	1,17	Pass
7	0,005	0,770	0,7	0,006	1,155	0,50	Pass
8	0,004	0,230	0,0	0,004	0,345	1,27	Pass
9	0,005	0,400	1,3	0,006	0,600	0,94	Pass
10	0,004	0,184	0,0	0,004	0,276	1,61	Pass
11	0,002	0,330	0,0	0,002	0,495	0,44	Pass
12	0,002	0,153	0,0	0,002	0,230	1,01	Pass
13	0,001	0,210	0,0	0,002	0,315	0,58	Pass
14	0,001	0,131	0,0	0,002	0,197	0,83	Pass
15	0,001	0,150	0,0	0,001	0,225	0,56	Pass
16	0,001	0,115	0,0	0,001	0,173	0,51	Pass
17	0,001	0,132	0,0	0,001	0,199	0,69	Pass
18	0,001	0,102	0,0	0,001	0,153	0,41	Pass
19	0,001	0,118	0,0	0,001	0,178	0,41	Pass
20	0,001	0,092	0,0	0,001	0,138	0,71	Pass
21	0,001	0,107	0,0	0,001	0,161	0,62	Pass
22	0,000	0,084	0,0	0,001	0,125	0,44	Pass
23	0,001	0,098	0,0	0,001	0,147	0,55	Pass
24	0,001	0,077	0,0	0,001	0,115	0,60	Pass
25	0,001	0,090	0,0	0,001	0,135	0,77	Pass
26	0,000	0,071	0,0	0,000	0,106	0,32	Pass
27	0,001	0,083	0,0	0,001	0,125	0,77	Pass
28	0,000	0,066	0,0	0,001	0,099	0,56	Pass
29	0,000	0,078	0,0	0,000	0,116	0,35	Pass
30	0,000	0,061	0,0	0,000	0,092	0,47	Pass
31	0,000	0,073	0,0	0,000	0,109	0,46	Pass
32	0,000	0,058	0,0	0,000	0,086	0,29	Pass
33	0,000	0,068	0,0	0,000	0,102	0,41	Pass
34	0,000	0,054	0,0	0,000	0,081	0,44	Pass
35	0,000	0,064	0,0	0,000	0,096	0,36	Pass
36	0,000	0,051	0,0	0,000	0,077	0,23	Pass
37	0,000	0,061	0,0	0,000	0,091	0,54	Pass
38	0,000	0,048	0,0	0,000	0,073	0,40	Pass
39	0,000	0,058	0,0	0,000	0,087	0,39	Pass
40	0,000	0,046	0,0	0,000	0,069	0,45	Pass

PHOTOS

Notes: Test set-up for Mains Port Disturbance Voltage

Notes: Test set-up for Disturbance Power

Notes: Test set-up for Electric Fast Transients, Surge and Voltage Dips

Notes: Test set-up for Conducted RF Disturbance

MEASUREMENTS – ORDER NUMBER 151426

SCOPE OF WORK

The manufacturer has introduced new models and new control PCB, type BG361336011103 and a new heating element type 2502333912.

Testing was performed on the P58 EC6700 model. All tests are performed on the new element with the new control PCB.

Components qualified this time:

Component	Manufacturer	Model	Conformity
Control PCB	EIKA	BG361336011103	Tested
Heating Element	EIKA	2502333912	Tested

USED TEST EQUIPMENT

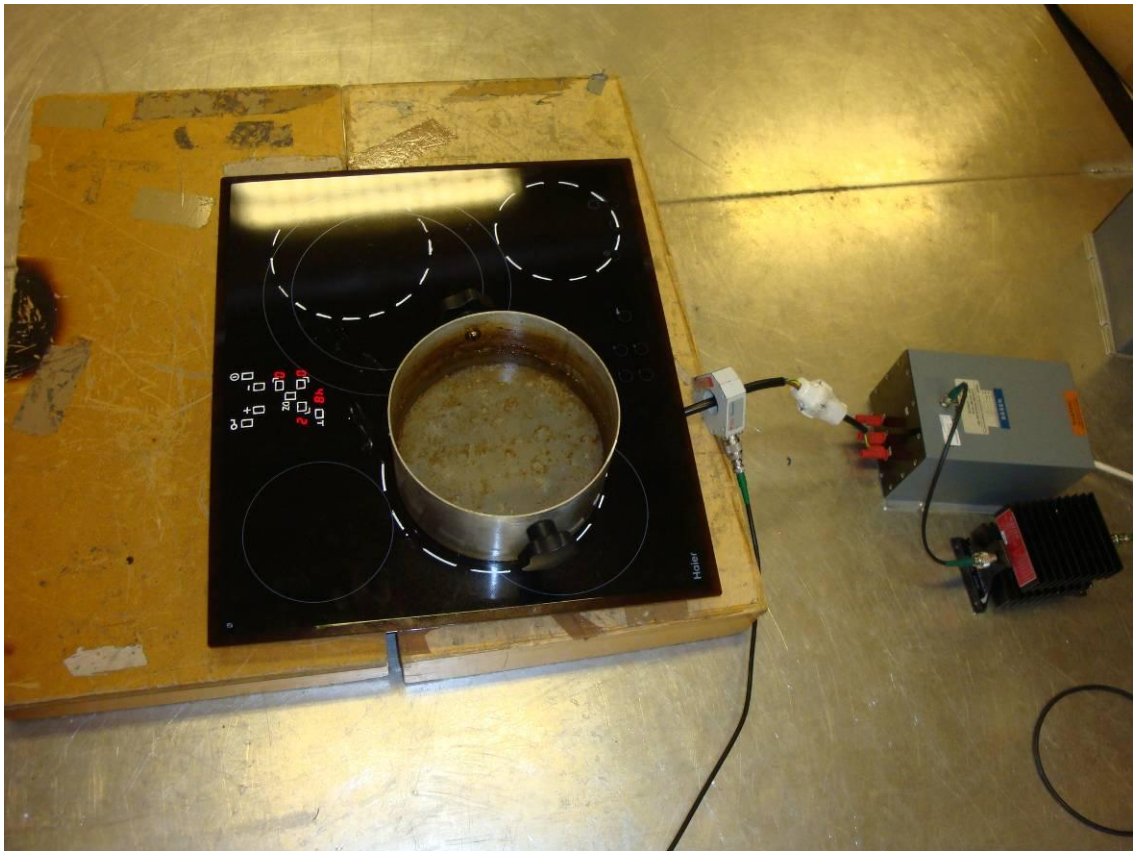
Equipment	Manufacturer	Model	Instrument N°	Calibration
EMI Receiver	Rohde&Schwarz	ESHS 30	N-3529	11/2010
LISN	Rohde&Schwarz	ESH2-Z5	N-3558	08/2010
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	N-3932	10/2010
Clamp	Rohde&Schwarz	MDS 21	N-4275	12/2010
EMI Receiver	Rohde&Schwarz	ESVS 20	N-2886	12/2010
Power Analyzer	California Instruments	C15000iX-400-CTS	N-4082	03/2012
CS Test System	Schaffner	Best EMC	N-4103	03/2011
Amplifier	Amplifier Research	75A250	N-3883	N/A
Attenuator	Narda	FSCM 99899 769-6	N-4189	N/A
Generator, RF	Rohde&Schwarz	SMG	N-2885	04/2012
Power Meter	Agilent	EPM E4419B	N-4459	10/2010
ESD Generator	Schaffner	NSG 435	N-3355	10/2010

PHOTOS

Notes: Test set-up for Mains Port Disturbance Voltage

Notes: Test set-up for Disturbance Power

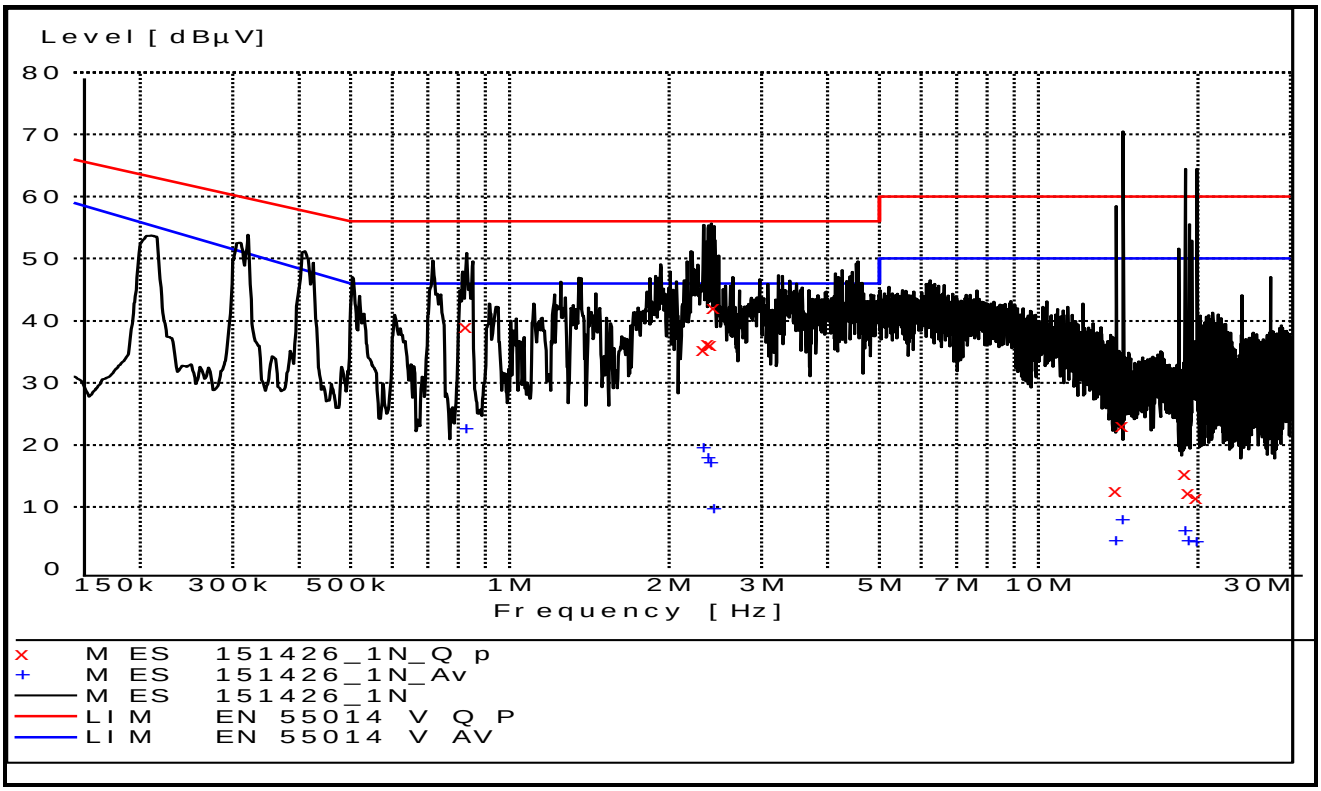
Notes: Test set-up for Electric Fast Transients, Surge and Voltage Dips



Notes: Test set-up for Conducted RF Disturbance

EMISSION – MAINS PORT DISTURBANCE VOLTAGE

Disturbance Preview



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

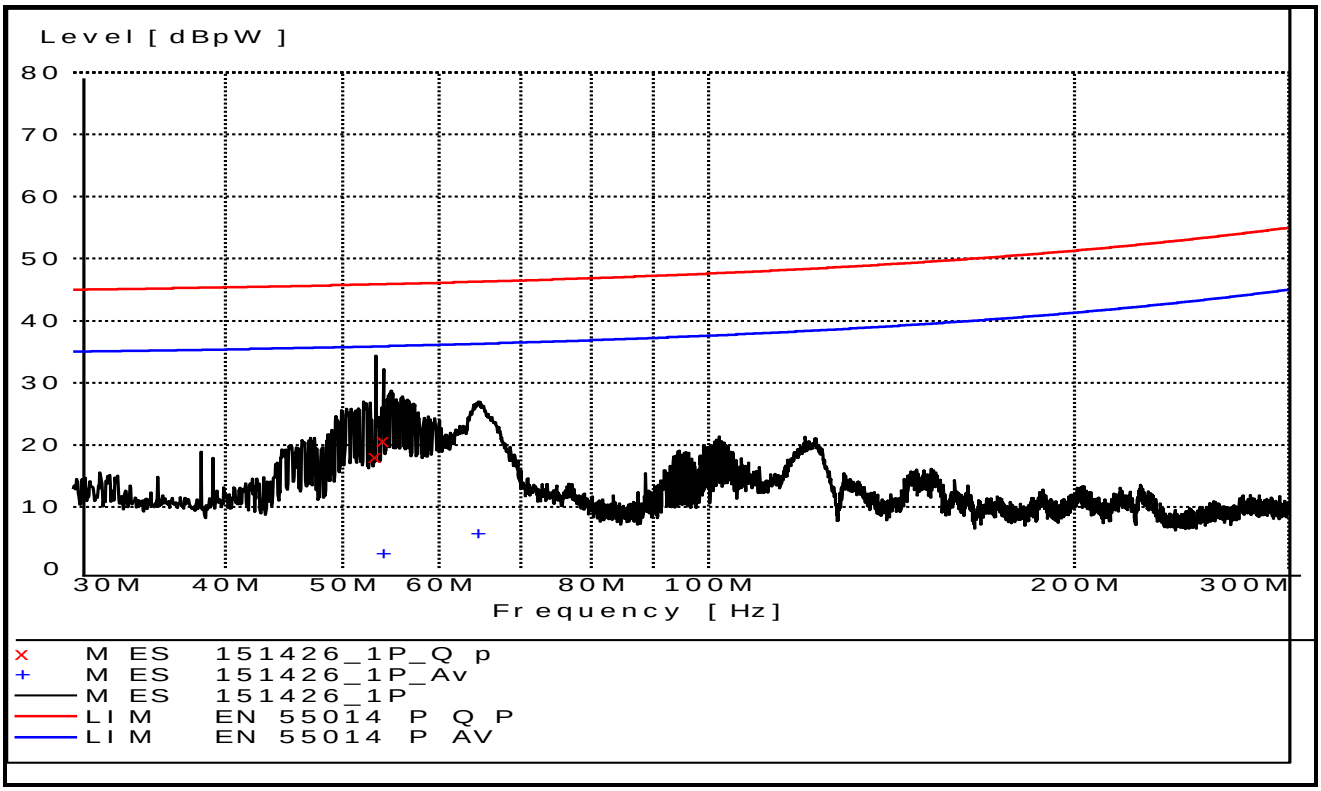
Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.830000	39.10	10.20	56.00	-16.90	QP	L1	Pass
2.335000	35.40	10.30	56.00	-20.60	QP	L1	Pass
2.380000	36.30	10.30	56.00	-19.70	QP	L1	Pass
2.410000	36.10	10.30	56.00	-19.90	QP	L1	Pass
2.435000	42.10	10.30	56.00	-13.90	QP	L1	Pass
14.020000	12.60	10.80	60.00	-47.40	QP	N	Pass
14.460000	23.10	10.80	60.00	-36.90	QP	N	Pass
18.955000	15.40	11.20	60.00	-44.60	QP	L1	Pass
19.290000	12.20	11.20	60.00	-47.80	QP	N	Pass
19.975000	11.50	11.30	60.00	-48.50	QP	N	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.830000	22.50	10.20	46.00	-23.50	AV	L1	Pass
2.335000	19.60	10.30	46.00	-26.40	AV	L1	Pass
2.380000	17.90	10.30	46.00	-28.10	AV	L1	Pass
2.410000	17.10	10.30	46.00	-28.90	AV	L1	Pass
2.435000	9.80	10.30	46.00	-36.20	AV	L1	Pass
14.020000	4.60	10.80	50.00	-45.40	AV	N	Pass
14.460000	7.90	10.80	50.00	-42.10	AV	N	Pass
18.955000	6.10	11.20	50.00	-43.90	AV	L1	Pass
19.290000	4.60	11.20	50.00	-45.40	AV	N	Pass
19.975000	4.30	11.30	50.00	-45.70	AV	N	Pass

EMISSION – DISTURBANCE POWER

Disturbance Preview



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
53.220000	18.20	8.40	45.9	-27.70	QP	0.0	Pass
54.000000	20.60	8.30	45.9	-25.30	QP	8.0	Pass

Average Detector Data

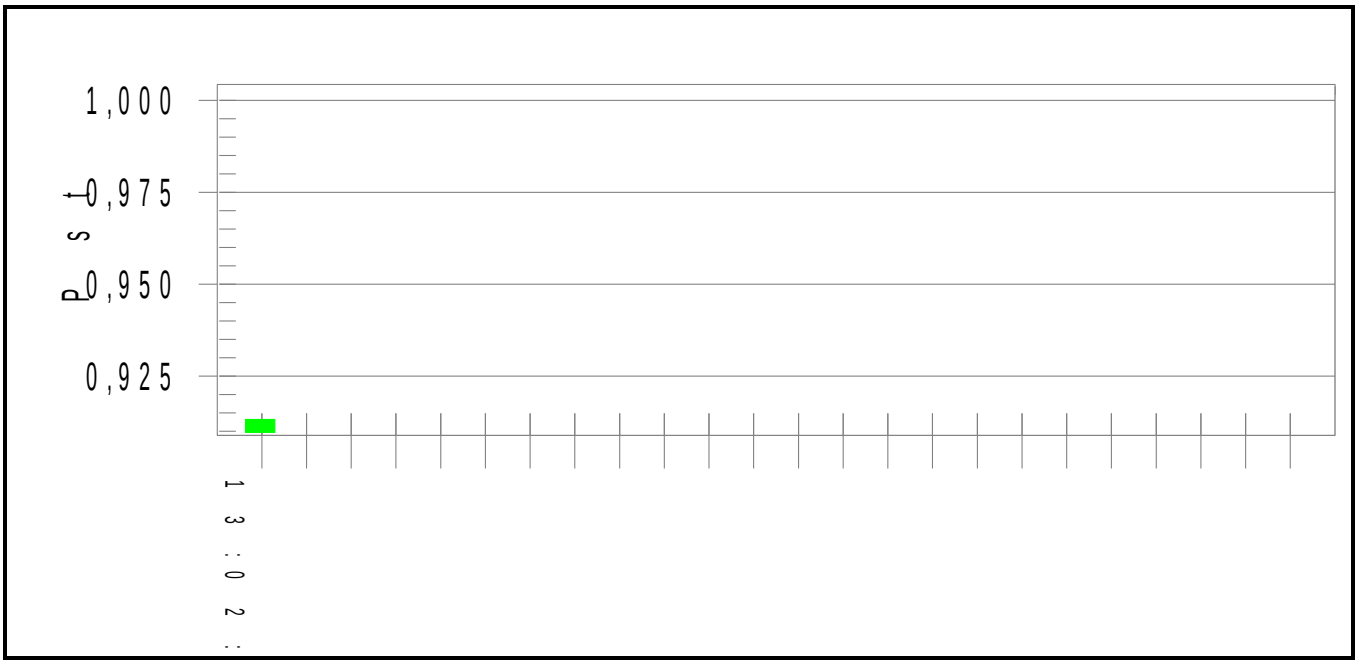
Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
47.040000	-1.60	9.10	35.6	-37.20	AV	73.0	Pass
53.220000	-1.10	8.40	35.9	-37.00	AV	30.0	Pass
54.000000	2.50	8.30	35.9	-33.40	AV	2.0	Pass
64.620000	5.70	7.70	36.3	-30.60	AV	146.0	Pass

POWER QUALITY – FLICKER

Numeric Presentation (Front Left)

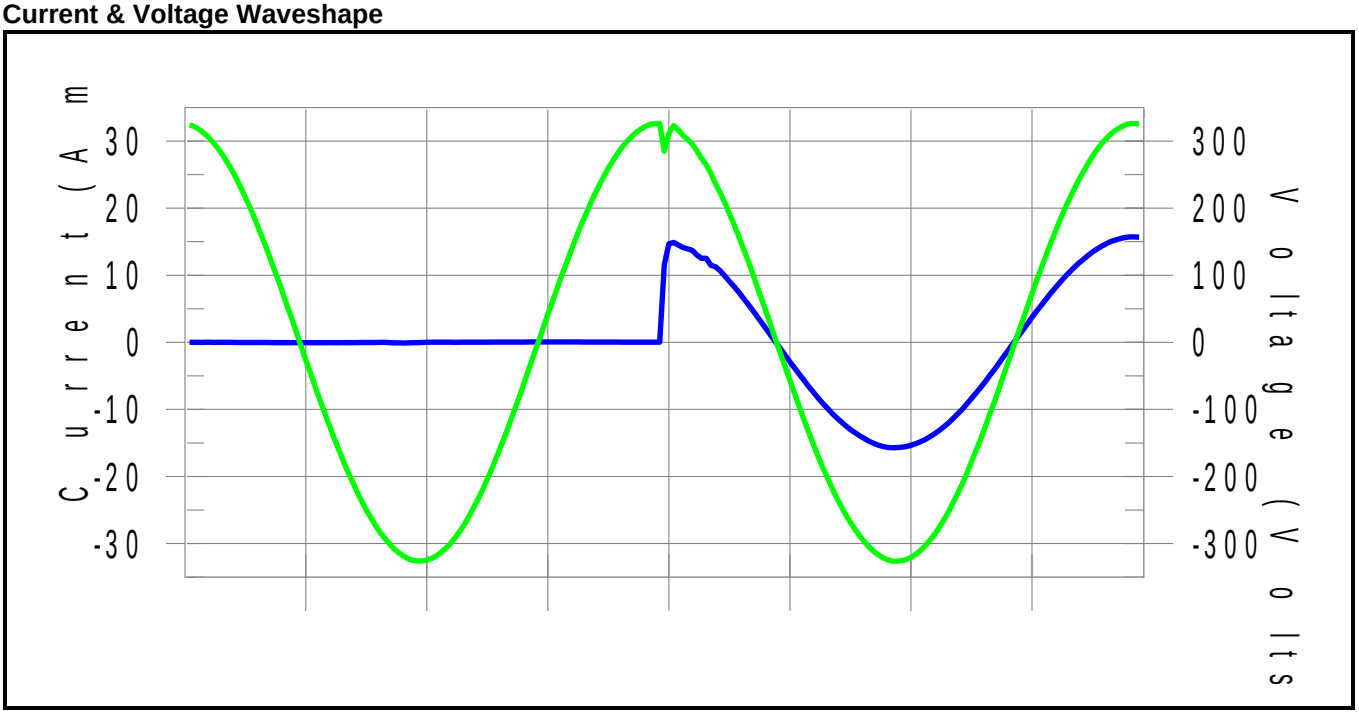
Parameter	Limit	Measured	Result
Dmax	4 %	-1.95 %	PASS
Dc	3.3 %	-1.77 %	PASS
Dt	500 msec	0 msec	PASS
Pst	1.0	0..913	PASS
Plt	0.65	-	N/A

Flicker Probability – Pst

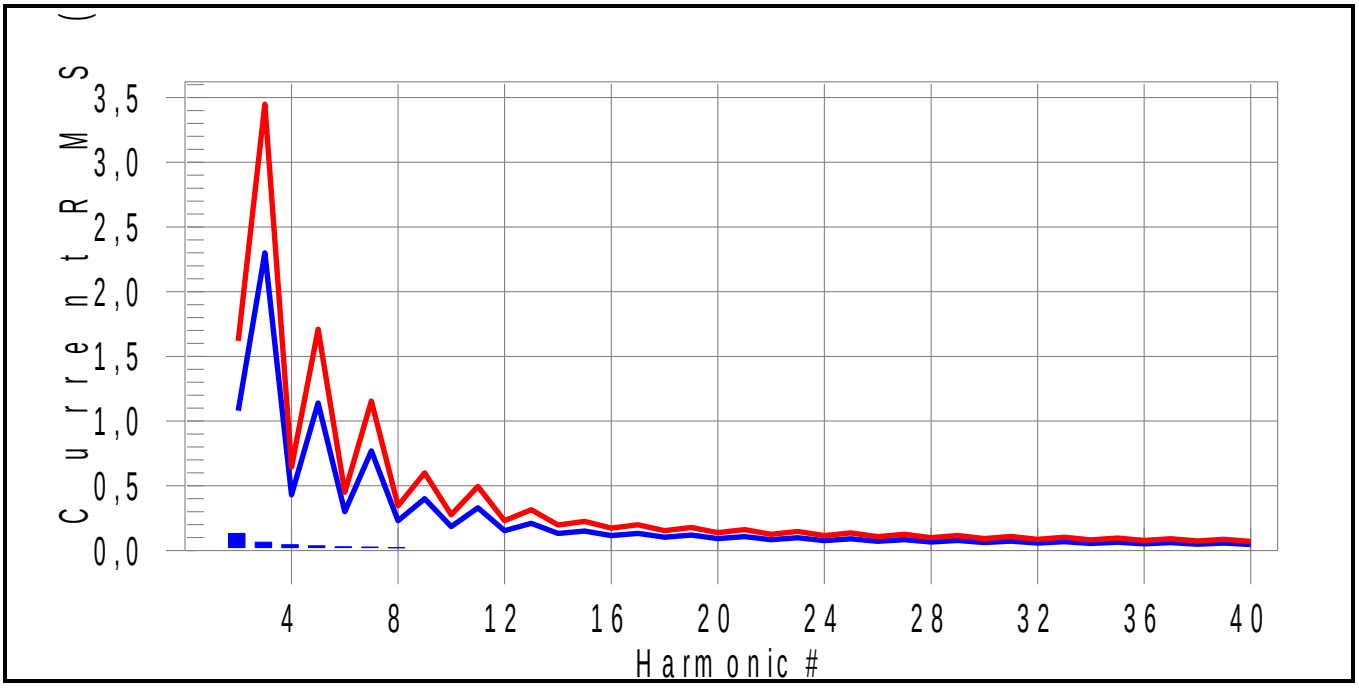


POWER QUALITY – HARMONIC DISTORTION

Current & Voltage Waveshape



Harmonic Contents – Graphic Presentation



Highest parameter values during test:

V_RMS (Volts):	**231,02**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**16,713**	**I_RMS (Amps):**	**11,095**
I_Fund (Amps):	**10,937**	**Crest Factor:**	**4,577**
Power (Watts):	**2526,6**	**Power Factor:**	**1,000**

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,029	1,080	2,7	0,131	1,620	8,11	Pass
3	0,027	2,300	1,2	0,065	3,450	1,89	Pass
4	0,012	0,430	2,7	0,046	0,645	7,06	Pass
5	0,010	1,140	0,9	0,036	1,710	2,12	Pass
6	0,010	0,300	3,4	0,030	0,450	6,61	Pass
7	0,010	0,770	1,2	0,025	1,155	2,17	Pass
8	0,007	0,230	3,0	0,022	0,345	6,43	Pass
9	0,008	0,400	2,1	0,020	0,600	3,32	Pass
10	0,006	0,184	3,2	0,018	0,276	6,46	Pass
11	0,003	0,330	1,0	0,015	0,495	3,05	Pass
12	0,003	0,153	2,0	0,013	0,230	5,79	Pass
13	0,003	0,210	1,6	0,012	0,315	3,84	Pass
14	0,003	0,131	2,0	0,011	0,197	5,62	Pass
15	0,002	0,150	1,3	0,010	0,225	4,53	Pass
16	0,002	0,115	2,0	0,009	0,173	5,47	Pass
17	0,002	0,132	1,4	0,009	0,199	4,52	Pass
18	0,002	0,102	1,8	0,009	0,153	5,73	Pass
19	0,002	0,118	1,9	0,009	0,178	4,79	Pass
20	0,002	0,092	2,2	0,008	0,138	5,85	Pass
21	0,002	0,107	1,6	0,008	0,161	4,73	Pass
22	0,002	0,084	2,0	0,007	0,125	5,87	Pass
23	0,002	0,098	2,2	0,007	0,147	4,95	Pass
24	0,002	0,077	2,2	0,007	0,115	6,20	Pass
25	0,003	0,090	3,7	0,007	0,135	5,46	Pass
26	0,002	0,071	2,8	0,006	0,106	6,02	Pass
27	0,003	0,083	3,7	0,007	0,125	5,38	Pass
28	0,001	0,066	2,0	0,006	0,099	5,88	Pass
29	0,002	0,078	2,1	0,006	0,116	4,75	Pass
30	0,001	0,061	0,0	0,005	0,092	5,34	Pass
31	0,001	0,073	0,0	0,005	0,109	4,27	Pass
32	0,001	0,058	0,0	0,005	0,086	5,35	Pass
33	0,001	0,068	0,0	0,005	0,102	4,62	Pass
34	0,001	0,054	0,0	0,005	0,081	5,82	Pass
35	0,001	0,064	0,0	0,005	0,096	4,97	Pass
36	0,001	0,051	0,0	0,005	0,077	6,25	Pass
37	0,001	0,061	0,0	0,005	0,091	5,28	Pass
38	0,001	0,048	0,0	0,005	0,073	6,34	Pass
39	0,001	0,058	0,0	0,004	0,087	5,06	Pass
40	0,001	0,046	0,0	0,003	0,069	4,65	Pass

MEASUREMENTS – ORDER NUMBER 247713

SCOPE OF WORK

Two new power / touch control PCBs have been introduced in the family, and are qualified with these tests.

Testing performed on the P58 model EO6400 (The EuT has been fully EMC tested)

Components qualified this time:

Component	Manufacturer	Model	Conformity
Power / touch control PCB	EIKA	BN340D36211107	Tested
Power / touch control PCB	EIKA	BN340D3621110B	Approved Variant

USED TEST EQUIPMENT

Equipment	Manufacturer	Model	Serial N°	Calibration due date
EMI Receiver	Rohde&Schwarz	ESHS30	N-3529	08/2014
LISN	Rohde&Schwarz	ESH2-Z5	N-3558	02/2015
Puls Limiter	Rohde&Schwarz	ESH3-Z2	N-3932	10/2014
Click Analyzer	AFJ International	CL55C	N-4166	06/2014
LISN	AFJ International	LS16C	N-4166.01	06/2014
Clamp	Rohde&Schwarz	MDS21	N-4275	03/2014
EMI Receiver	Rohde&Schwarz	ESVS20	N-2886	04/2014
Power Analyzer	California Instruments	C15000iX-400-CTS	N-4082	03/2017
ESD Generator	Schaffner	NSG435	N-3355	01/2014
Amplifier	Amplifier Research	75A250	N-3883	N/A
Attenuator	Narda	FSCM99899769-6	N-4189	N/A
CDN	FCC	FCC-801-6-M3	N-3814	N/A
Power Meter	Boonton	9200C	N-3718	10/2015
RF Generator	Rohde&Schwarz	SMG	N-2885	05/2015

PHOTOS (P58 EO6400)

Notes: Test set-up for Mains Port Disturbance Voltage

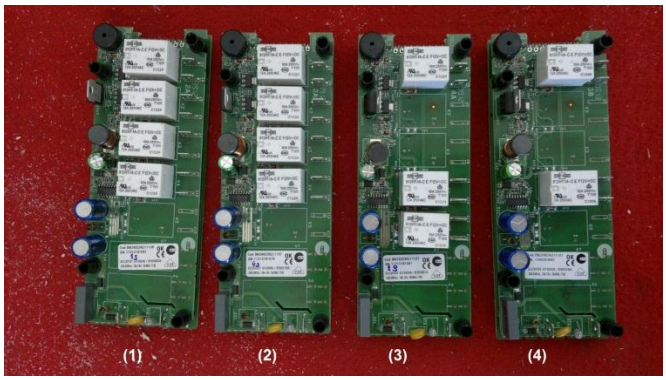
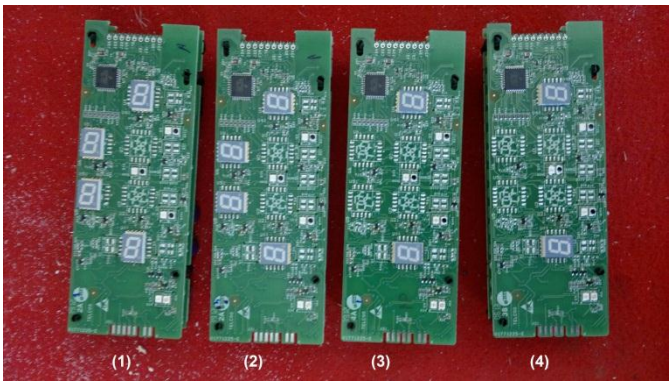
Notes: Test set-up for Disturbance Power

Notes: The tested model P58 EO6400

Notes: Test set-up for immunity to ESD

Notes: Test set-up for Injected current

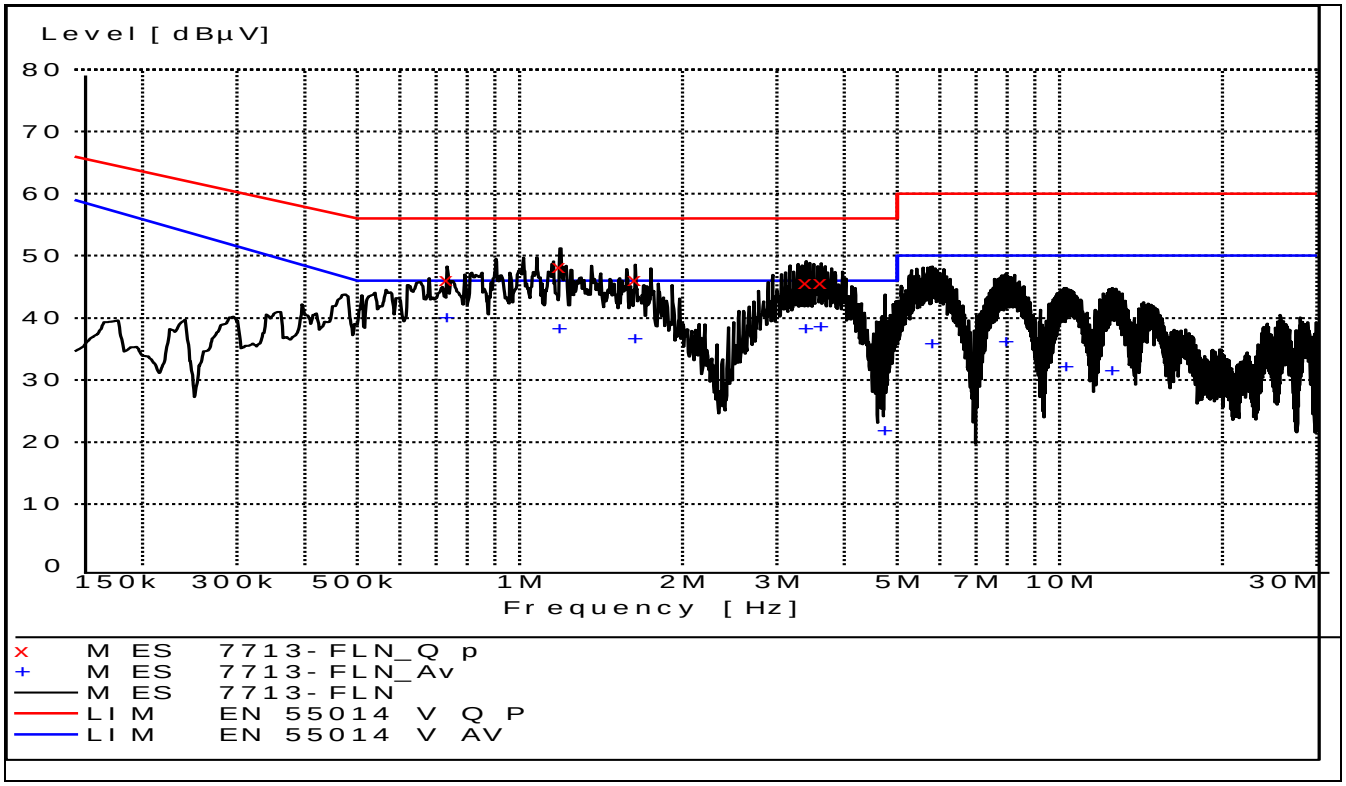
Notes: Test set-up for EFT and Surge

	
(1) BN340D3621110B (for P58, P75 only) (2) **BN340D36211107** (for P58, P75 only) (3) BN330D36211107 (for P29 only) (4) BN320D36211107 (for P29 only)	

File No. E08584.09

MAINS DISTURBANCE VOLTAGE

Disturbance Preview (Front Left Zone)



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

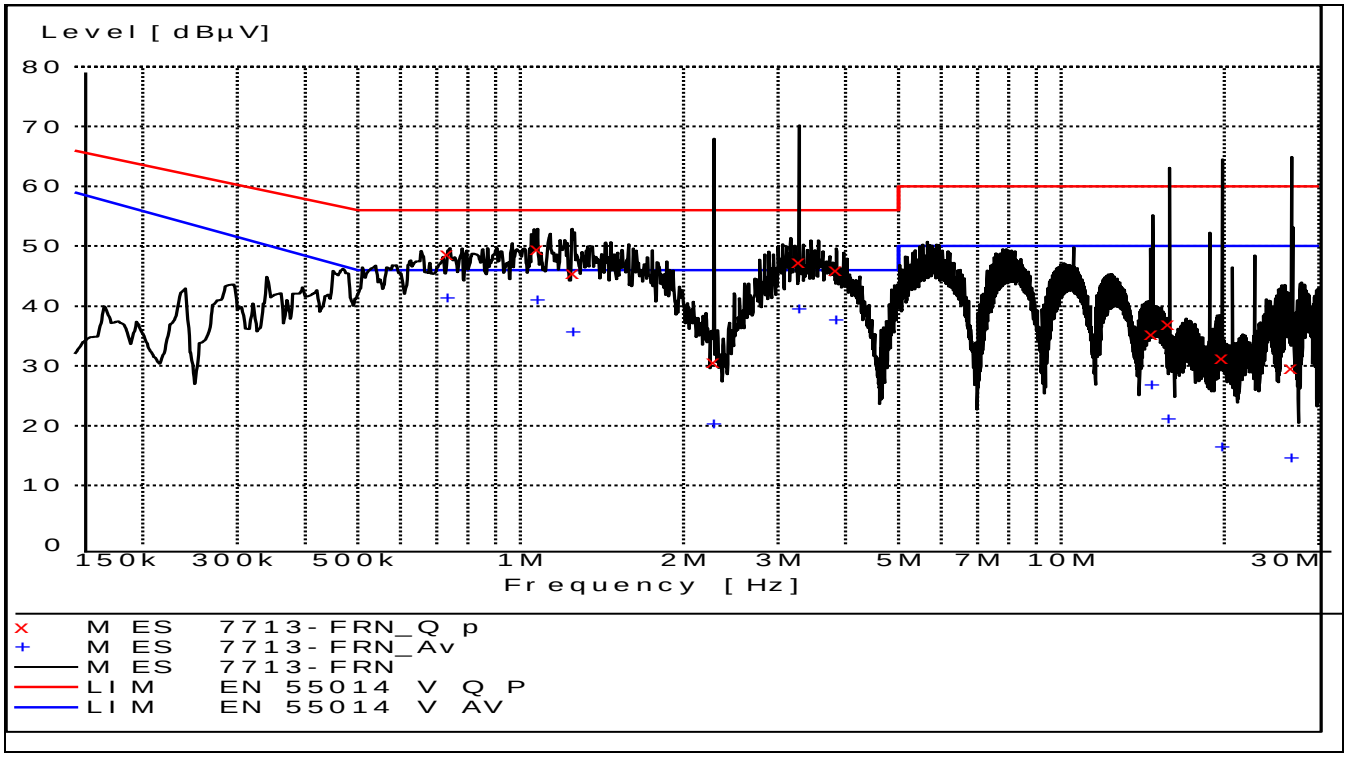
Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.735000	46.10	10.30	56.00	9.90	QP	L1	Pass
1.190000	48.20	10.30	56.00	7.80	QP	L1	Pass
1.640000	46.10	10.30	56.00	9.90	QP	L1	Pass
3.395000	45.60	10.30	56.00	10.40	QP	L1	Pass
3.620000	45.70	10.40	56.00	10.30	QP	L1	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.735000	40.00	10.30	46.00	6.00	AV	L1	Pass
1.190000	38.20	10.30	46.00	7.80	AV	L1	Pass
1.640000	36.70	10.30	46.00	9.30	AV	L1	Pass
3.395000	38.30	10.30	46.00	7.70	AV	L1	Pass
3.620000	38.50	10.40	46.00	7.50	AV	L1	Pass
4.750000	21.70	10.50	46.00	24.30	AV	L1	Pass
5.820000	35.80	10.50	50.00	14.20	AV	L1	Pass
7.985000	36.10	10.60	50.00	13.90	AV	L1	Pass
10.310000	32.20	10.70	50.00	17.80	AV	L1	Pass
12.565000	31.40	10.80	50.00	18.60	AV	L1	Pass

File No. E08584.09

Disturbance Preview (Front Right Zone)



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

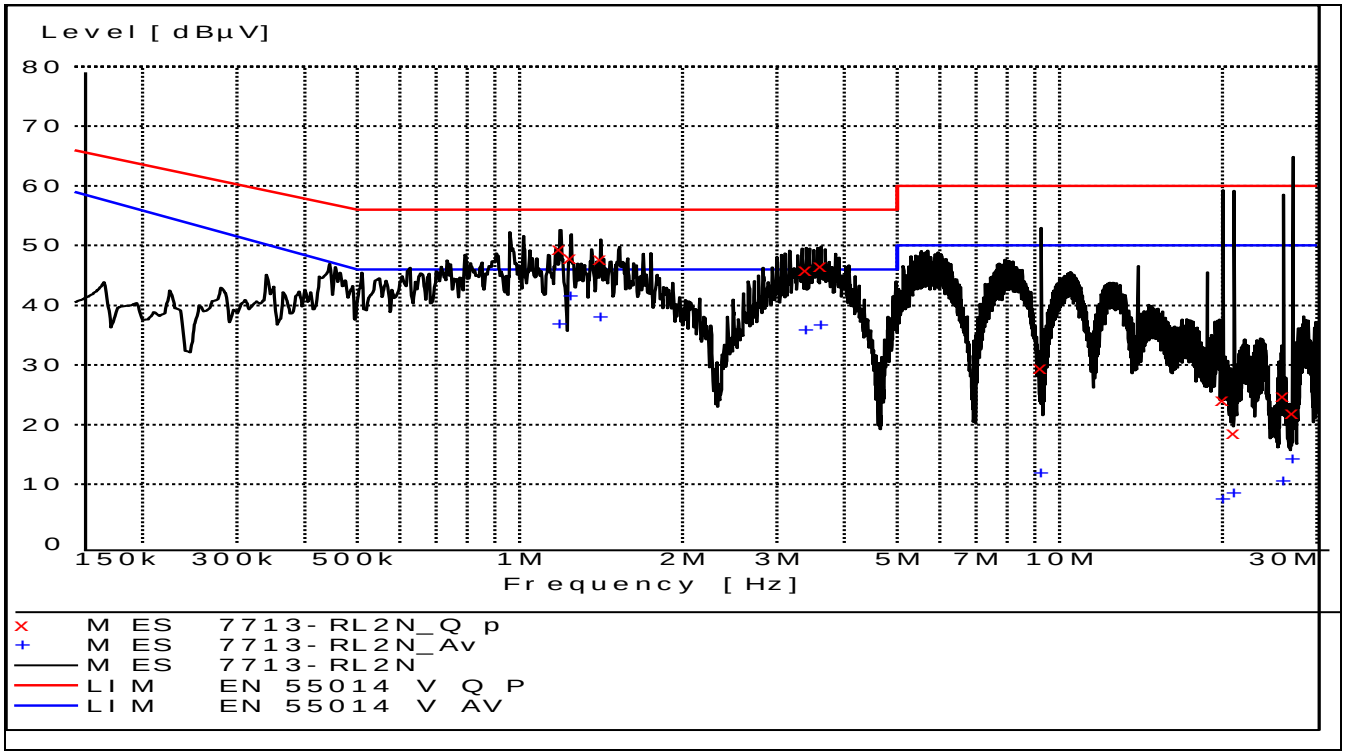
Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.735000	48.70	10.30	56.00	7.30	QP	L1	Pass
1.075000	49.50	10.30	56.00	6.50	QP	L1	Pass
1.255000	45.60	10.30	56.00	10.40	QP	L1	Pass
2.280000	30.60	10.30	56.00	25.40	QP	L1	Pass
3.280000	47.40	10.30	56.00	8.60	QP	L1	Pass
14.750000	35.30	11.00	60.00	24.70	QP	L1	Pass
15.850000	37.00	11.00	60.00	23.00	QP	L1	Pass
19.920000	31.30	11.30	60.00	28.70	QP	L1	Pass
26.680000	29.60	11.50	60.00	30.40	QP	N	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.735000	41.40	10.30	46.00	4.60	AV	L1	Pass
1.075000	41.10	10.30	46.00	4.90	AV	L1	Pass
1.255000	35.70	10.30	46.00	10.30	AV	L1	Pass
2.280000	20.30	10.30	46.00	25.70	AV	L1	Pass
3.280000	39.50	10.30	46.00	6.50	AV	L1	Pass
14.750000	26.80	11.00	50.00	23.20	AV	L1	Pass
15.850000	21.10	11.00	50.00	28.90	AV	L1	Pass
19.920000	16.40	11.30	50.00	33.60	AV	L1	Pass
26.680000	14.60	11.50	50.00	35.40	AV	N	Pass

Disturbance Preview (Rear Left Zone)



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

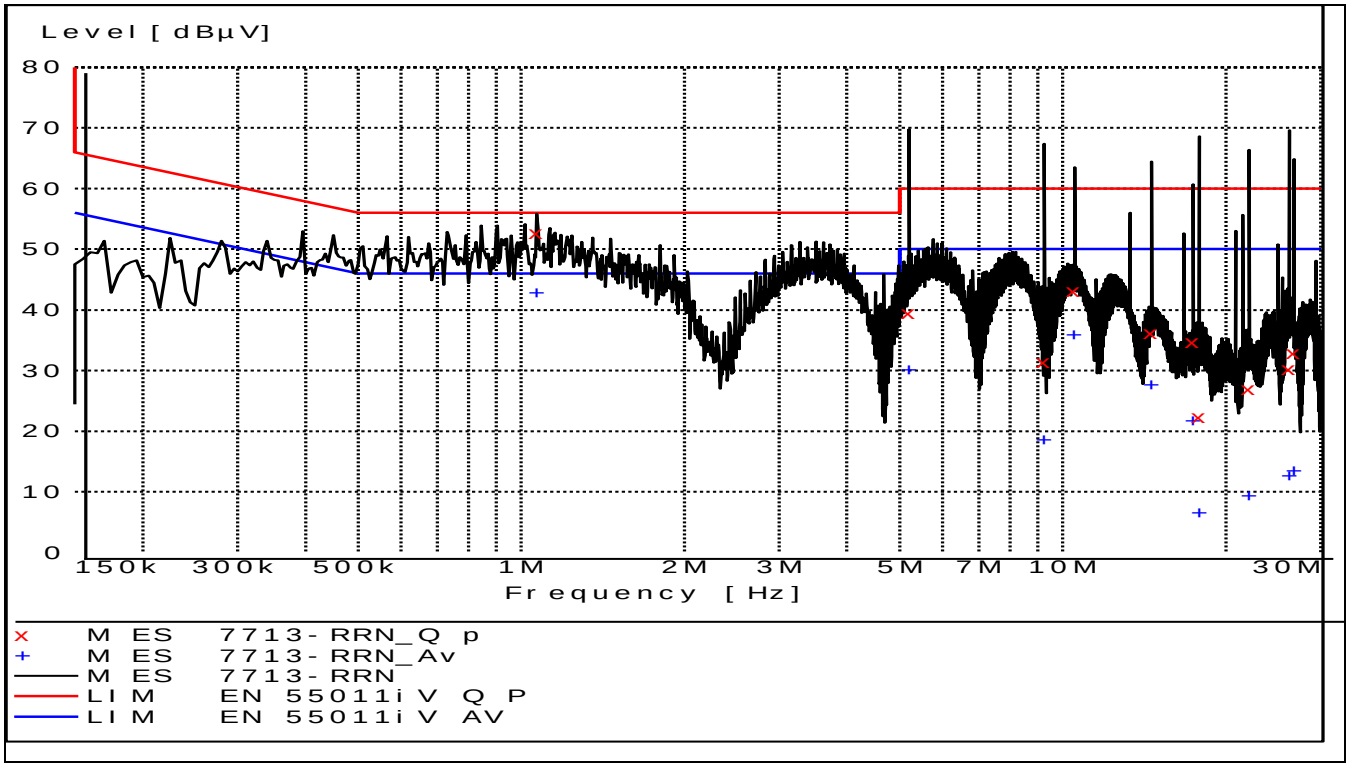
Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
1.190000	49.50	10.30	56.00	6.50	QP	L1	Pass
1.245000	48.00	10.30	56.00	8.00	QP	L1	Pass
1.415000	47.80	10.30	56.00	8.20	QP	L1	Pass
3.400000	45.90	10.30	56.00	10.10	QP	L1	Pass
3.615000	46.70	10.40	56.00	9.30	QP	L1	Pass
9.260000	29.50	10.60	60.00	30.50	QP	L1	Pass
20.105000	24.10	11.30	60.00	35.90	QP	N	Pass
21.095000	18.50	11.40	60.00	41.50	QP	N	Pass
26.020000	24.80	11.50	60.00	35.20	QP	N	Pass
27.040000	21.90	11.50	60.00	38.10	QP	N	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
1.190000	36.90	10.30	46.00	9.10	AV	L1	Pass
1.245000	41.60	10.30	46.00	4.40	AV	L1	Pass
1.415000	38.10	10.30	46.00	7.90	AV	L1	Pass
3.400000	35.80	10.30	46.00	10.20	AV	L1	Pass
3.615000	36.70	10.40	46.00	9.30	AV	L1	Pass
9.260000	11.80	10.60	50.00	38.20	AV	L1	Pass
20.105000	7.50	11.30	50.00	42.50	AV	N	Pass
21.095000	8.60	11.40	50.00	41.40	AV	N	Pass
26.020000	10.50	11.50	50.00	39.50	AV	N	Pass
27.040000	14.20	11.50	50.00	35.80	AV	N	Pass

Disturbance Preview (Rear Right Zone)



Note: This preview is a merged result of all peak detector measurements carried out on this product. This preview includes measurements on all lines, but shows only the worst level at each frequency. Any quasi-peak or average detector measurements are carried out at the "worst case" wire. ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
0.065600	15.50	10.10	87.50	72.00	QP	N	Pass
0.071800	30.20	10.10	86.70	56.50	QP	N	Pass
0.147600	22.20	10.10	80.10	57.90	QP	N	Pass
1.070000	52.80	10.30	56.00	3.20	QP	L1	Pass
5.210000	39.40	10.50	60.00	20.60	QP	L1	Pass
9.255000	31.40	10.60	60.00	28.60	QP	L1	Pass
10.515000	43.10	10.70	60.00	16.90	QP	L1	Pass
14.585000	36.30	11.00	60.00	23.70	QP	L1	Pass
17.415000	34.70	11.10	60.00	25.30	QP	L1	Pass
17.925000	22.40	11.10	60.00	37.60	QP	N	Pass
22.110000	27.00	11.40	60.00	33.00	QP	N	Pass
26.225000	30.30	11.50	60.00	29.70	QP	N	Pass
26.760000	32.90	11.50	60.00	27.10	QP	L1	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
1.070000	42.70	10.30	46.00	3.30	AV	L1	Pass
5.210000	30.10	10.50	50.00	19.90	AV	L1	Pass
9.255000	18.50	10.60	50.00	31.50	AV	L1	Pass
10.515000	35.80	10.70	50.00	14.20	AV	L1	Pass
14.585000	27.60	11.00	50.00	22.40	AV	L1	Pass
17.415000	21.70	11.10	50.00	28.30	AV	L1	Pass
17.925000	6.50	11.10	50.00	43.50	AV	N	Pass
22.110000	9.30	11.40	50.00	40.70	AV	N	Pass
26.225000	12.60	11.50	50.00	37.40	AV	N	Pass
26.760000	13.40	11.50	50.00	36.60	AV	L1	Pass

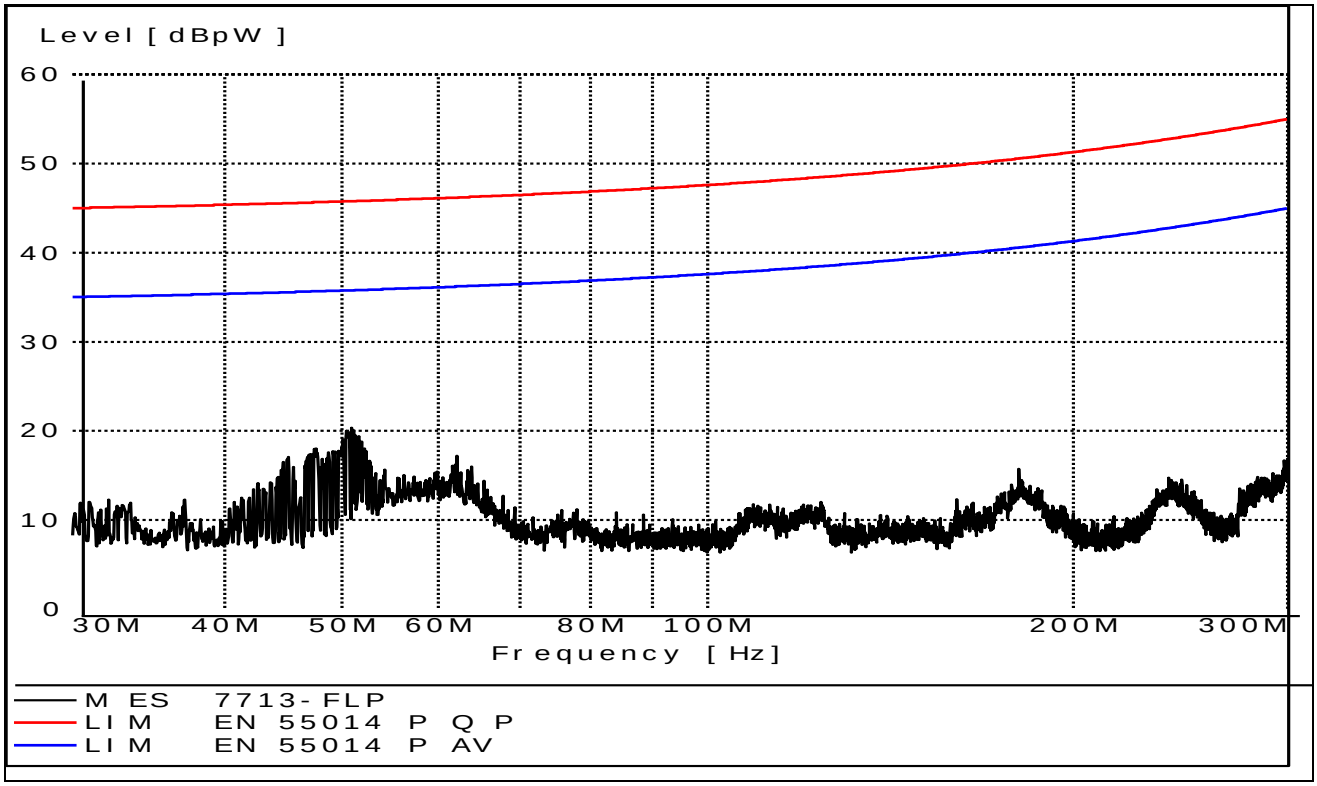
DISCONTINUOUS DISTURBANCE VOLTAGE

Frequency	Clicks < 10ms	10ms<Clicks<20ms	Clicks > 10ms	Switching operations(n)	Time (T)	Click rate (N)
(MHz)	(No.)	(No.)	(No.)	(No.)	(min)	(No./min)
0.15	0	0	0	0	120	0
0.50	0	0	0	0	120	0
1.4	0	0	0	0	120	0
30.0	0	0	0	0	120	0

Click rate is below 5 and no click was observed during the observation period, hence no amplitude limitation applies. No further measurements required, the specimen complies with the requirements.

DISTURBANCE POWER

Disturbance Preview (Front Left Zone)



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

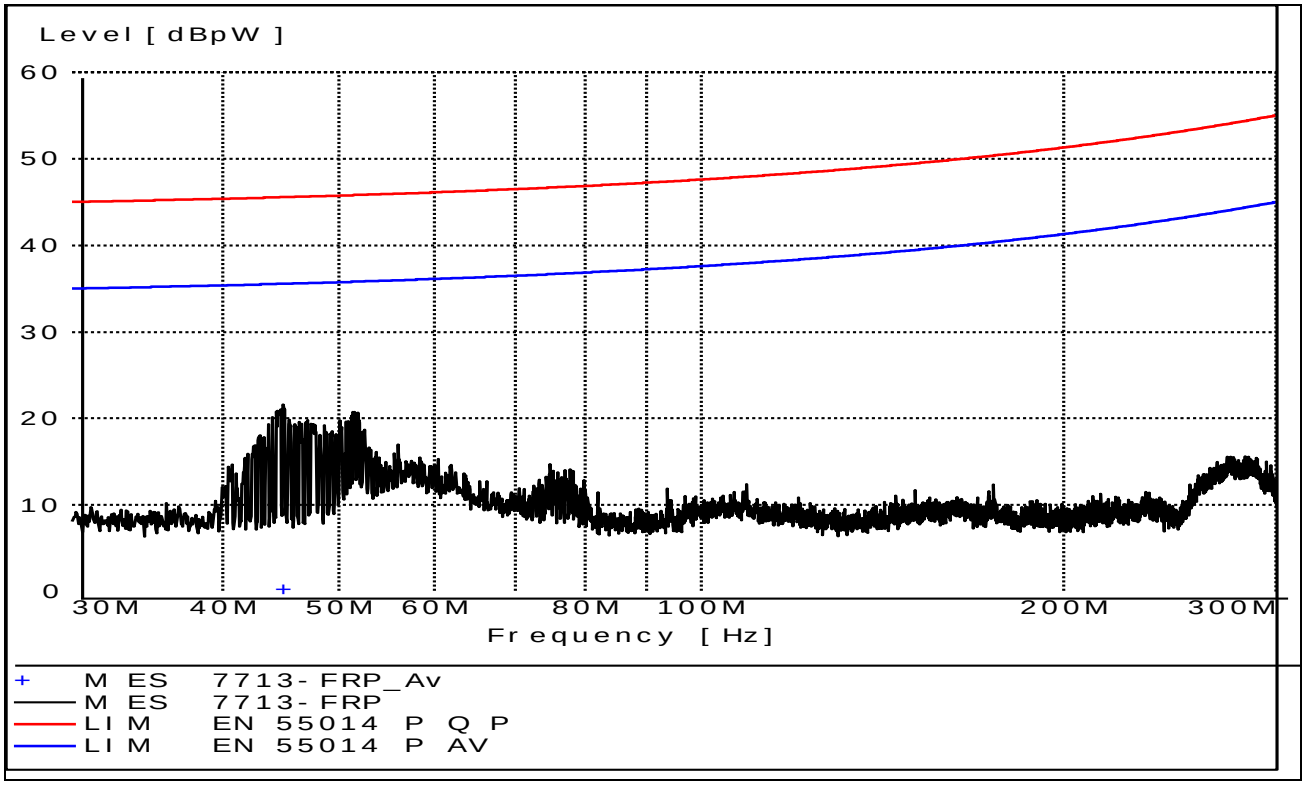
Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
-	-	-	-	-	-	-	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
-	-	-	-	-	-	-	Pass

Disturbance Preview (Front Right Zone)



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

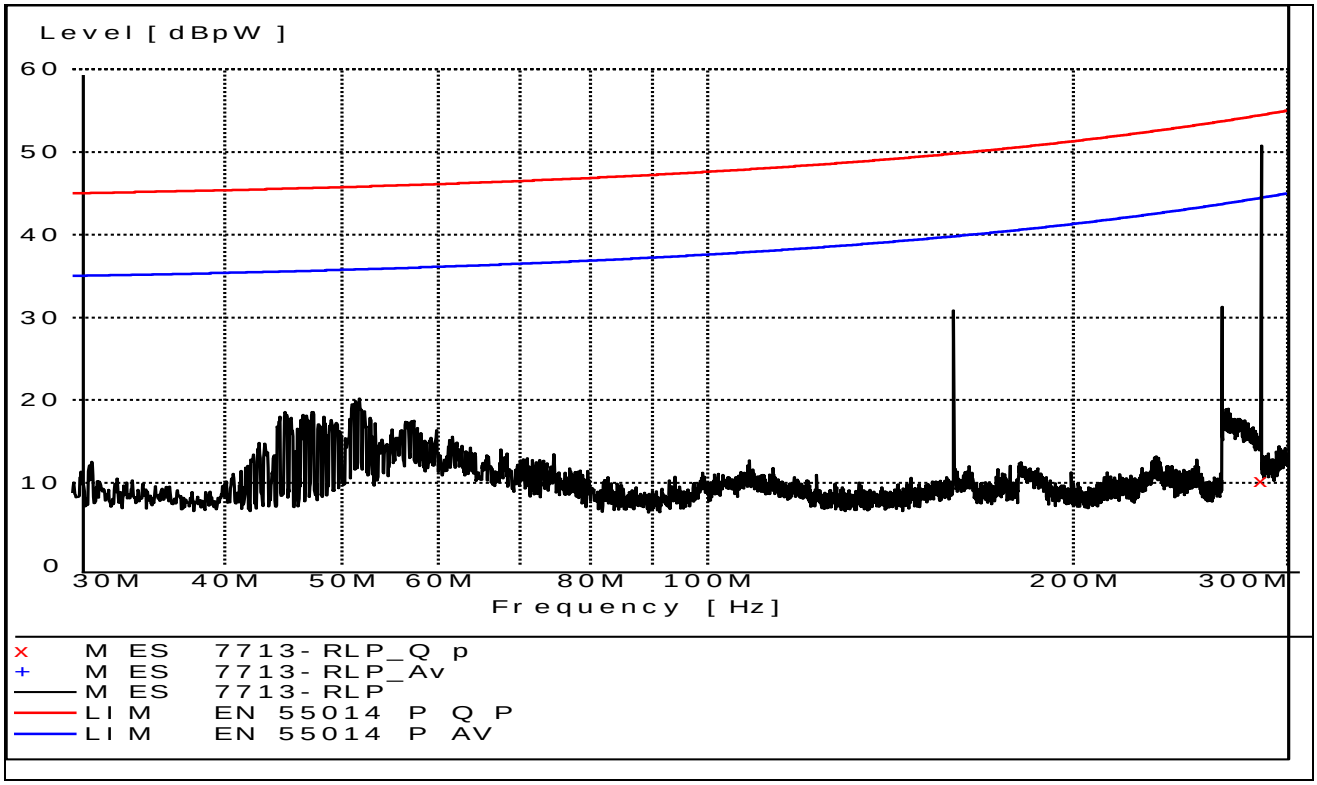
Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
-	-	-	-	-	-	-	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
44.700000	-0.20	8.20	35.5	35.70	AV	49.0	Pass
44.940000	0.30	8.20	35.6	35.30	AV	49.0	Pass

Disturbance Preview (Rear Left Zone)



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

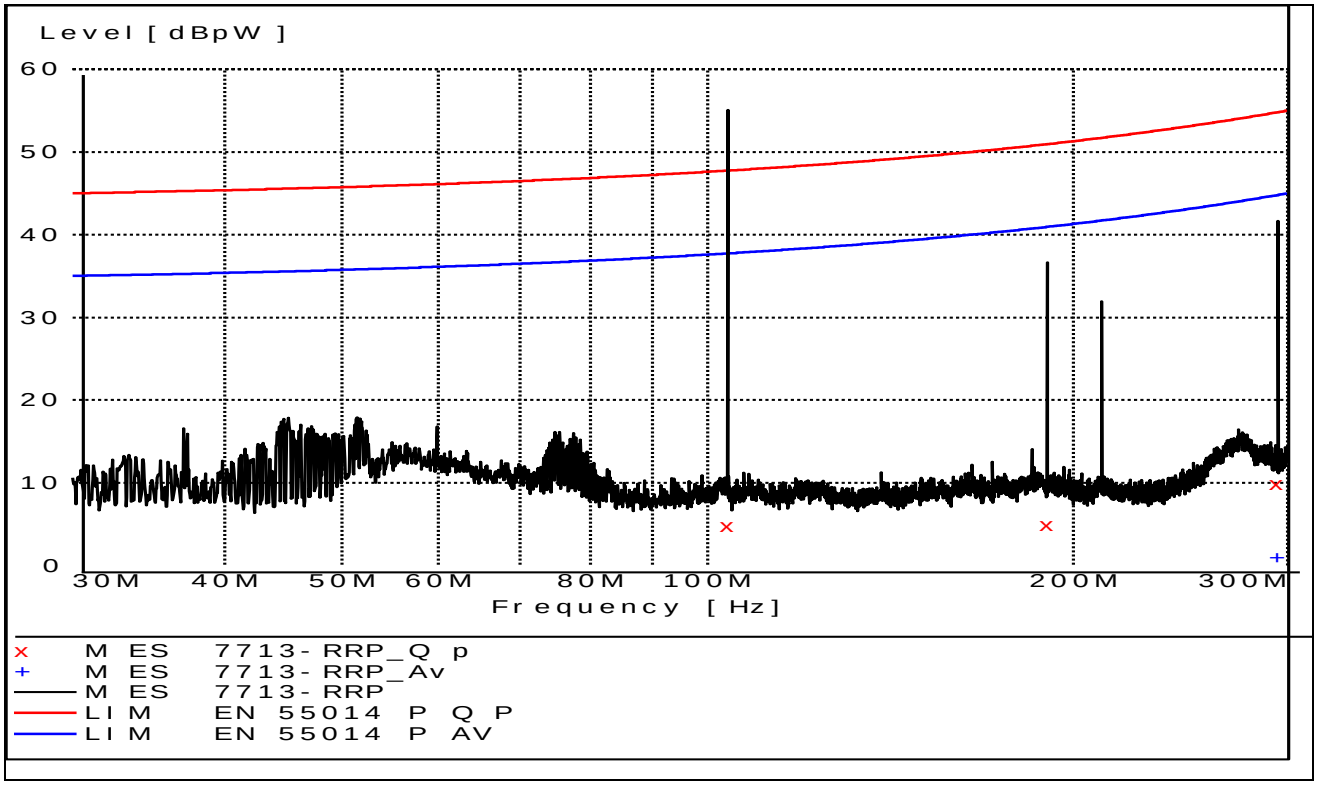
Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
285.480000	10.20	6.80	54.5	44.30	QP	33.0	Pass

Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
159.420000	-1.50	6.80	39.8	41.30	AV	100.0	Pass
264.960000	-1.90	6.60	43.7	45.60	AV	0.0	Pass
285.480000	-0.30	6.80	44.5	44.80	AV	30.0	Pass

Disturbance Preview (Rear Right Zone)



Note: This preview is a peak detector scan at the clamps 0 point. Any quasi-peak or average detector measurements are conducted at a localised maxima ("x" = quasi-peak / "+" = average. Measurement data are presented below)

Quasi Peak Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
103.860000	4.90	7.50	47.7	42.80	QP	55.0	Pass
190.380000	5.00	6.20	50.9	45.90	QP	7.0	Pass
294.480000	9.90	6.80	54.8	44.90	QP	7.0	Pass

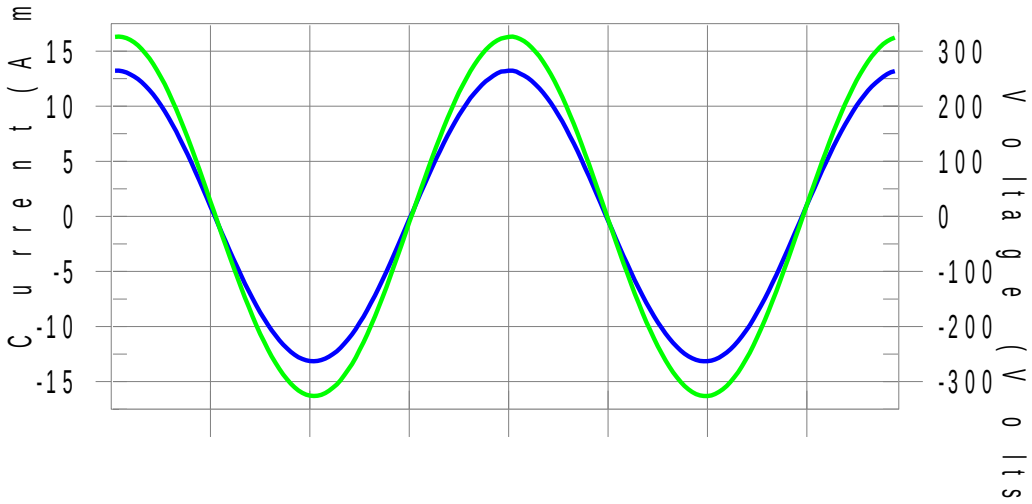
Average Detector Data

Frequency [MHz]	Level [dBuV]	Af [dB]	Limit [dBuV]	Margin [dB]	Det	Position	Verdict [Pass/Fail]
103.860000	-2.70	7.50	37.7	40.40	AV	0.0	Pass
190.380000	-2.70	6.20	40.9	43.60	AV	21.0	Pass
210.960000	-2.20	6.30	41.7	43.90	AV	59.0	Pass
294.480000	1.00	6.80	44.8	43.80	AV	36.0	Pass

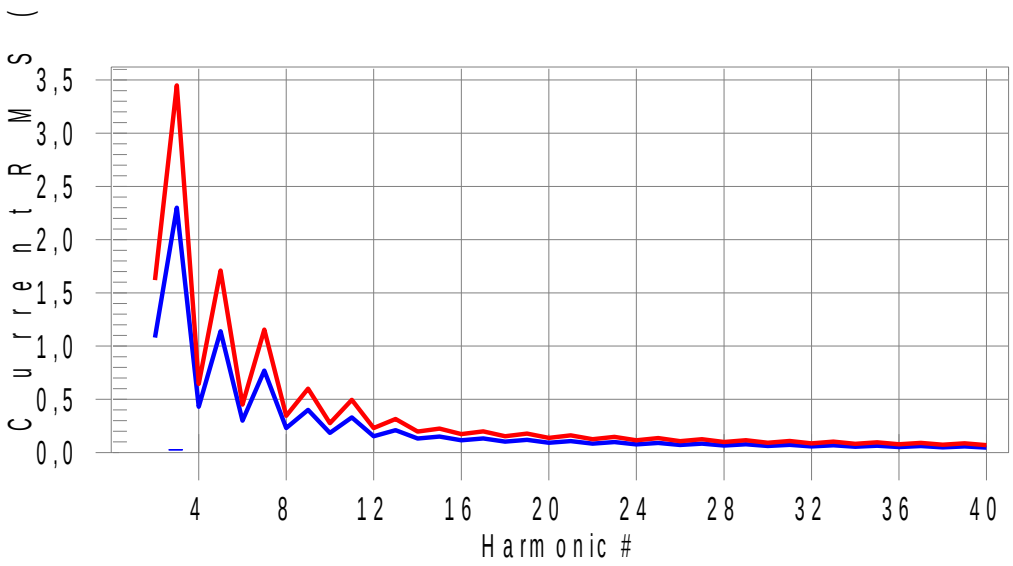
HARMONIC DISTORTION

Measurement Data (Front Left Zone)

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



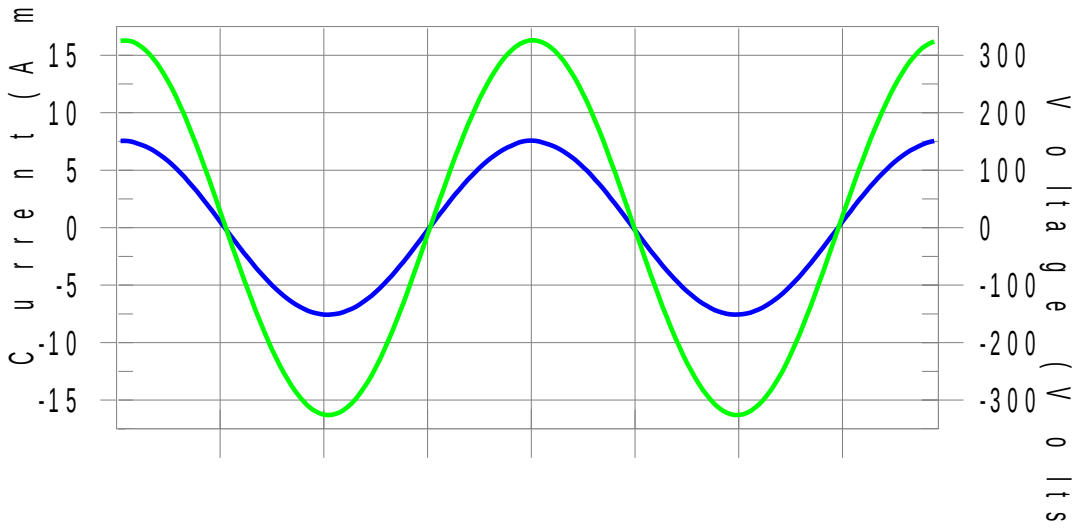
Highest parameter values during test:

V_RMS (Volts):	**230,84**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**13,296**	**I_RMS (Amps):**	**9,313**
I_Fund (Amps):	**9,304**	**Crest Factor:**	**1,431**
Power (Watts):	**2147,7**	**Power Factor:**	**1,000**

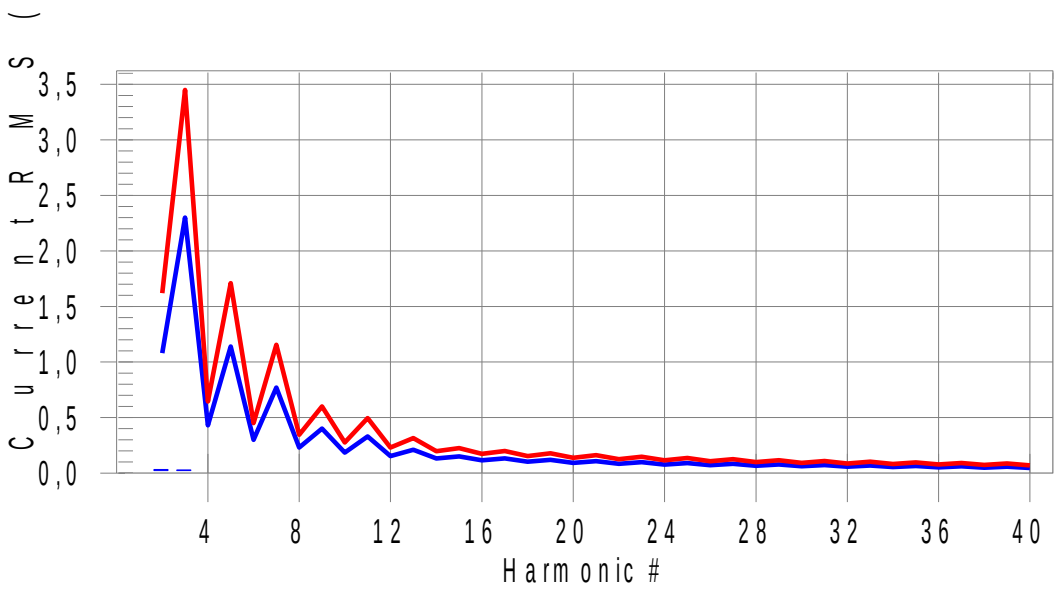
Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,008	1,080	0,7	0,012	1,620	0,71	Pass
3	0,024	2,300	1,1	0,030	3,450	0,87	Pass
4	0,006	0,430	1,5	0,008	0,645	1,26	Pass
5	0,007	1,140	0,6	0,008	1,710	0,49	Pass
6	0,006	0,300	2,1	0,009	0,450	2,06	Pass
7	0,006	0,770	0,8	0,007	1,155	0,64	Pass
8	0,004	0,230	1,9	0,005	0,345	1,51	Pass
9	0,006	0,400	1,6	0,007	0,600	1,13	Pass
10	0,003	0,184	1,6	0,004	0,276	1,38	Pass
11	0,002	0,330	0,7	0,003	0,495	0,63	Pass
12	0,003	0,153	1,7	0,003	0,230	1,32	Pass
13	0,002	0,210	0,9	0,002	0,315	0,79	Pass
14	0,002	0,131	1,4	0,002	0,197	1,06	Pass
15	0,002	0,150	1,1	0,002	0,225	0,86	Pass
16	0,002	0,115	1,4	0,002	0,173	1,16	Pass
17	0,001	0,132	1,1	0,002	0,199	0,83	Pass
18	0,001	0,102	1,1	0,001	0,153	0,92	Pass
19	0,001	0,118	1,0	0,001	0,178	0,81	Pass
20	0,001	0,092	0,8	0,001	0,138	0,72	Pass
21	0,002	0,107	1,4	0,002	0,161	1,23	Pass
22	0,001	0,084	1,6	0,002	0,125	1,39	Pass
23	0,002	0,098	1,7	0,002	0,147	1,43	Pass
24	0,001	0,077	1,9	0,002	0,115	1,69	Pass
25	0,004	0,090	3,9	0,004	0,135	3,21	Pass
26	0,001	0,071	2,0	0,002	0,106	2,33	Pass
27	0,003	0,083	3,9	0,004	0,125	3,20	Pass
28	0,001	0,066	1,7	0,002	0,099	1,78	Pass
29	0,001	0,078	1,7	0,002	0,116	1,38	Pass
30	0,001	0,061	1,3	0,001	0,092	1,06	Pass
31	0,001	0,073	1,5	0,002	0,109	1,50	Pass
32	0,001	0,058	1,4	0,001	0,086	1,30	Pass
33	0,001	0,068	1,4	0,001	0,102	1,11	Pass
34	0,001	0,054	1,1	0,001	0,081	0,83	Pass
35	0,001	0,064	1,2	0,001	0,096	0,95	Pass
36	0,001	0,051	1,4	0,001	0,077	0,98	Pass
37	0,001	0,061	1,4	0,001	0,091	1,11	Pass
38	0,001	0,048	1,0	0,001	0,073	0,79	Pass
39	0,001	0,058	1,2	0,001	0,087	1,02	Pass
40	0,001	0,046	1,2	0,001	0,069	1,00	Pass

Measurement Data (Front Right Zone)

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



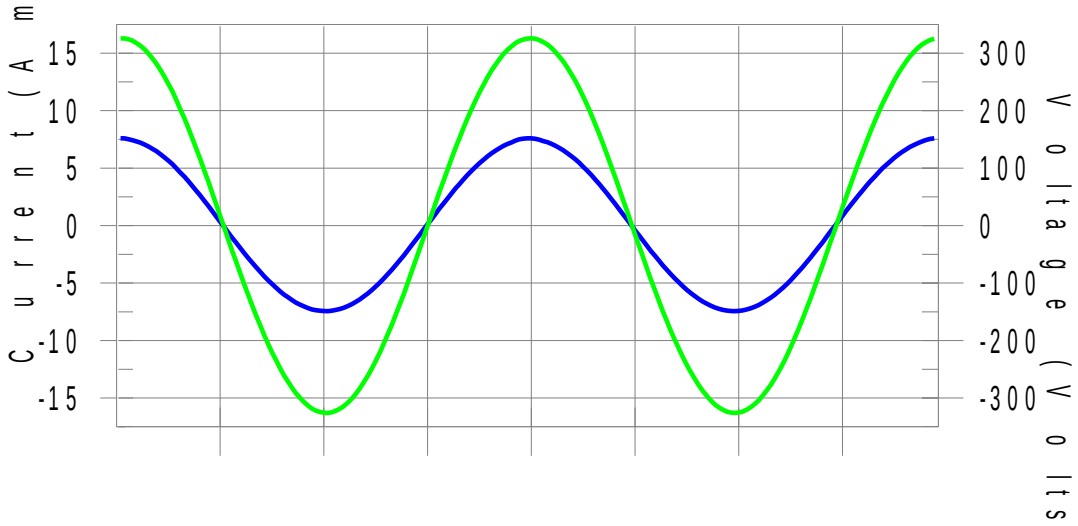
Highest parameter values during test:

V_RMS (Volts):	**230,75**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**7,593**	**I_RMS (Amps):**	**5,325**
I_Fund (Amps):	**5,267**	**Crest Factor:**	**8,066**
Power (Watts):	**1214,9**	**Power Factor:**	**1,000**

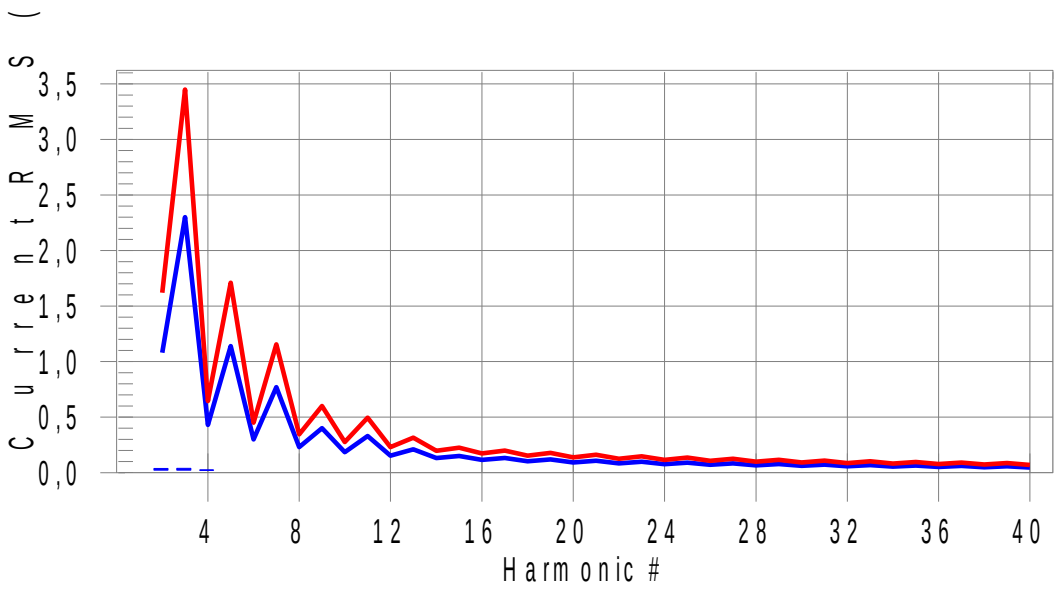
Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,006	1,080	0,6	0,033	1,620	2,04	Pass
3	0,012	2,300	0,5	0,029	3,450	0,85	Pass
4	0,006	0,430	1,4	0,021	0,645	3,22	Pass
5	0,007	1,140	0,6	0,016	1,710	0,93	Pass
6	0,006	0,300	1,8	0,013	0,450	2,99	Pass
7	0,006	0,770	0,8	0,012	1,155	1,01	Pass
8	0,004	0,230	1,9	0,010	0,345	2,94	Pass
9	0,005	0,400	1,2	0,009	0,600	1,55	Pass
10	0,003	0,184	1,7	0,008	0,276	3,07	Pass
11	0,002	0,330	0,7	0,008	0,495	1,54	Pass
12	0,002	0,153	1,6	0,007	0,230	2,94	Pass
13	0,002	0,210	0,9	0,006	0,315	1,88	Pass
14	0,001	0,131	1,1	0,005	0,197	2,66	Pass
15	0,001	0,150	0,9	0,005	0,225	2,06	Pass
16	0,001	0,115	0,9	0,004	0,173	2,27	Pass
17	0,001	0,132	0,4	0,003	0,199	1,73	Pass
18	0,001	0,102	0,5	0,003	0,153	2,08	Pass
19	0,001	0,118	0,6	0,003	0,178	1,77	Pass
20	0,001	0,092	0,5	0,003	0,138	2,18	Pass
21	0,001	0,107	1,0	0,003	0,161	1,94	Pass
22	0,001	0,084	0,9	0,003	0,125	2,38	Pass
23	0,001	0,098	1,3	0,003	0,147	1,97	Pass
24	0,001	0,077	1,0	0,003	0,115	2,44	Pass
25	0,003	0,090	2,8	0,004	0,135	2,73	Pass
26	0,001	0,071	1,0	0,003	0,106	2,37	Pass
27	0,002	0,083	2,7	0,003	0,125	2,70	Pass
28	0,000	0,066	0,5	0,002	0,099	2,21	Pass
29	0,001	0,078	1,2	0,002	0,116	1,83	Pass
30	0,000	0,061	0,6	0,002	0,092	2,05	Pass
31	0,001	0,073	1,0	0,002	0,109	1,73	Pass
32	0,000	0,058	0,6	0,002	0,086	2,09	Pass
33	0,001	0,068	0,8	0,002	0,102	1,76	Pass
34	0,000	0,054	0,6	0,002	0,081	2,29	Pass
35	0,000	0,064	0,7	0,002	0,096	1,91	Pass
36	0,000	0,051	0,8	0,002	0,077	2,38	Pass
37	0,000	0,061	0,6	0,002	0,091	2,02	Pass
38	0,000	0,048	0,6	0,002	0,073	2,39	Pass
39	0,000	0,058	0,7	0,002	0,087	1,98	Pass
40	0,000	0,046	0,7	0,001	0,069	1,87	Pass

Measurement Data (Rear Left Zone)

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



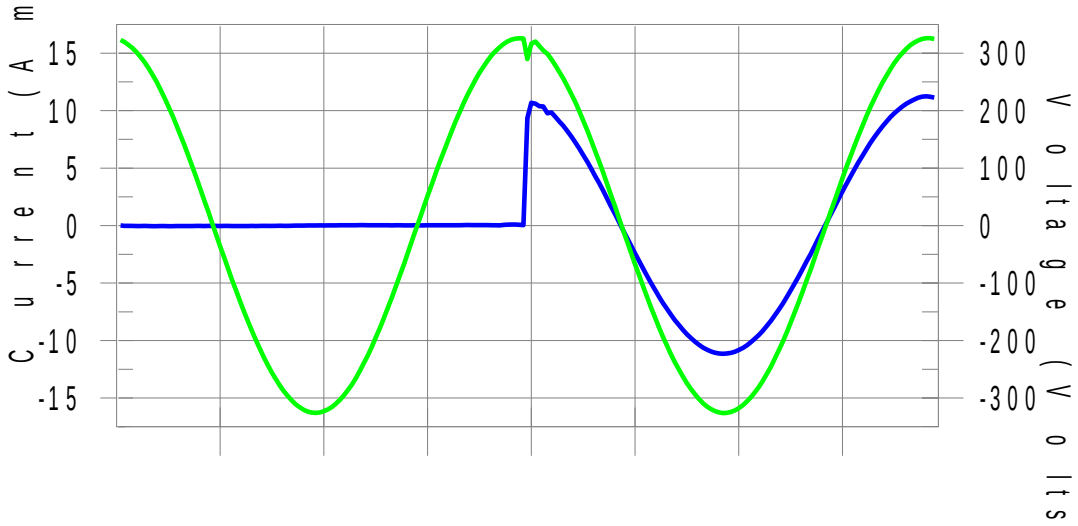
Highest parameter values during test:

V_RMS (Volts):	**230,74**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**7,608**	**I_RMS (Amps):**	**5,289**
I_Fund (Amps):	**5,226**	**Crest Factor:**	**2,623**
Power (Watts):	**1205,6**	**Power Factor:**	**1,000**

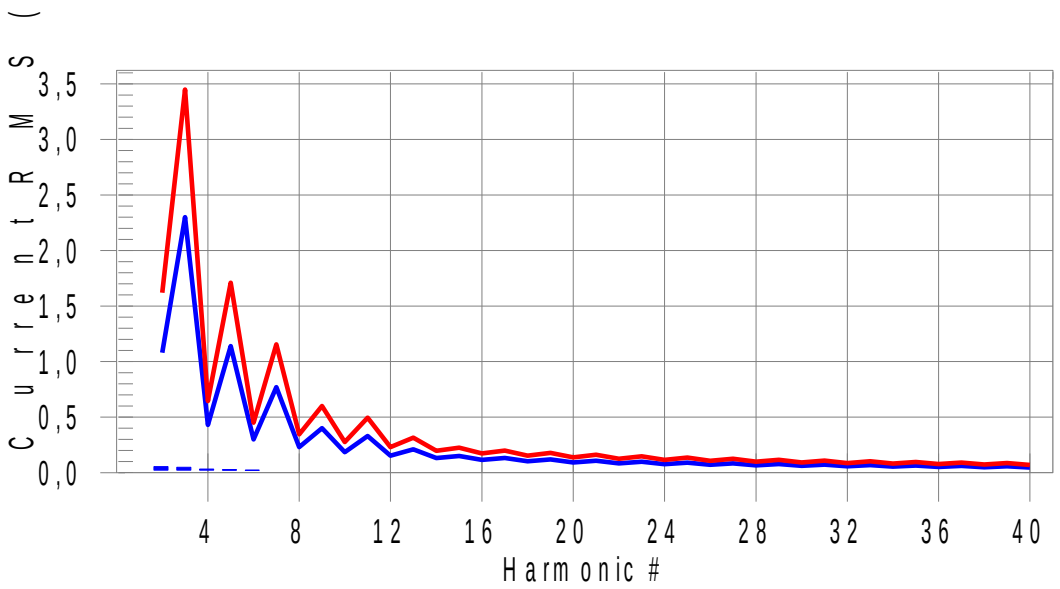
Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,007	1,080	0,6	0,038	1,620	2,33	Pass
3	0,013	2,300	0,5	0,039	3,450	1,13	Pass
4	0,006	0,430	1,4	0,023	0,645	3,56	Pass
5	0,007	1,140	0,6	0,020	1,710	1,15	Pass
6	0,005	0,300	1,8	0,016	0,450	3,61	Pass
7	0,006	0,770	0,8	0,015	1,155	1,27	Pass
8	0,004	0,230	1,8	0,012	0,345	3,51	Pass
9	0,005	0,400	1,1	0,011	0,600	1,90	Pass
10	0,003	0,184	1,7	0,010	0,276	3,54	Pass
11	0,002	0,330	0,7	0,009	0,495	1,74	Pass
12	0,002	0,153	1,6	0,008	0,230	3,30	Pass
13	0,002	0,210	0,9	0,007	0,315	2,16	Pass
14	0,002	0,131	1,2	0,006	0,197	3,14	Pass
15	0,001	0,150	1,0	0,006	0,225	2,52	Pass
16	0,001	0,115	1,0	0,005	0,173	2,95	Pass
17	0,001	0,132	0,5	0,005	0,199	2,27	Pass
18	0,001	0,102	0,5	0,004	0,153	2,72	Pass
19	0,001	0,118	0,6	0,004	0,178	2,31	Pass
20	0,001	0,092	0,6	0,004	0,138	2,82	Pass
21	0,001	0,107	1,0	0,004	0,161	2,50	Pass
22	0,001	0,084	0,9	0,004	0,125	2,94	Pass
23	0,001	0,098	1,2	0,004	0,147	2,61	Pass
24	0,001	0,077	1,0	0,004	0,115	3,06	Pass
25	0,003	0,090	2,8	0,005	0,135	3,58	Pass
26	0,001	0,071	1,1	0,003	0,106	3,02	Pass
27	0,002	0,083	2,8	0,004	0,125	3,51	Pass
28	0,000	0,066	0,7	0,003	0,099	2,93	Pass
29	0,001	0,078	1,2	0,003	0,116	2,64	Pass
30	0,000	0,061	0,7	0,003	0,092	2,88	Pass
31	0,001	0,073	0,9	0,003	0,109	2,51	Pass
32	0,000	0,058	0,6	0,002	0,086	2,86	Pass
33	0,001	0,068	0,8	0,003	0,102	2,60	Pass
34	0,000	0,054	0,6	0,002	0,081	2,89	Pass
35	0,000	0,064	0,7	0,002	0,096	2,45	Pass
36	0,000	0,051	0,8	0,002	0,077	2,99	Pass
37	0,000	0,061	0,7	0,002	0,091	2,51	Pass
38	0,000	0,048	0,7	0,002	0,073	3,01	Pass
39	0,000	0,058	0,8	0,002	0,087	2,55	Pass
40	0,000	0,046	0,8	0,002	0,069	2,42	Pass

Measurement Data (Rear Right Zone)

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Highest parameter values during test:

V_RMS (Volts):	**230,80**	**Frequency(Hz):**	**50,00**
I_Peak (Amps):	**12,015**	**I_RMS (Amps):**	**7,899**
I_Fund (Amps):	**7,809**	**Crest Factor:**	**3,709**
Power (Watts):	**1801,8**	**Power Factor:**	**1,000**

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0,011	1,080	1,0	0,055	1,620	3,36	Pass
3	0,019	2,300	0,8	0,048	3,450	1,40	Pass
4	0,008	0,430	1,9	0,033	0,645	5,07	Pass
5	0,009	1,140	0,8	0,025	1,710	1,48	Pass
6	0,006	0,300	2,2	0,021	0,450	4,76	Pass
7	0,007	0,770	0,9	0,018	1,155	1,60	Pass
8	0,005	0,230	2,1	0,016	0,345	4,56	Pass
9	0,006	0,400	1,4	0,014	0,600	2,33	Pass
10	0,004	0,184	2,0	0,013	0,276	4,60	Pass
11	0,003	0,330	0,9	0,011	0,495	2,27	Pass
12	0,003	0,153	2,0	0,010	0,230	4,34	Pass
13	0,002	0,210	1,2	0,009	0,315	2,89	Pass
14	0,002	0,131	1,6	0,008	0,197	4,18	Pass
15	0,002	0,150	1,1	0,008	0,225	3,35	Pass
16	0,002	0,115	1,5	0,007	0,173	3,90	Pass
17	0,001	0,132	1,0	0,006	0,199	3,15	Pass
18	0,001	0,102	1,1	0,006	0,153	3,78	Pass
19	0,001	0,118	1,0	0,006	0,178	3,10	Pass
20	0,001	0,092	0,9	0,005	0,138	3,88	Pass
21	0,002	0,107	1,5	0,005	0,161	3,24	Pass
22	0,001	0,084	1,4	0,005	0,125	4,02	Pass
23	0,002	0,098	1,7	0,005	0,147	3,37	Pass
24	0,001	0,077	1,5	0,005	0,115	4,10	Pass
25	0,003	0,090	3,4	0,005	0,135	3,77	Pass
26	0,001	0,071	1,6	0,004	0,106	4,10	Pass
27	0,003	0,083	3,3	0,005	0,125	3,83	Pass
28	0,001	0,066	1,1	0,004	0,099	4,15	Pass
29	0,001	0,078	1,6	0,004	0,116	3,53	Pass
30	0,001	0,061	1,3	0,004	0,092	4,13	Pass
31	0,001	0,073	1,4	0,004	0,109	3,47	Pass
32	0,001	0,058	1,2	0,004	0,086	4,17	Pass
33	0,001	0,068	1,3	0,004	0,102	3,52	Pass
34	0,001	0,054	1,2	0,004	0,081	4,40	Pass
35	0,001	0,064	1,3	0,004	0,096	3,69	Pass
36	0,001	0,051	1,4	0,003	0,077	4,46	Pass
37	0,001	0,061	1,2	0,003	0,091	3,71	Pass
38	0,001	0,048	1,3	0,003	0,073	4,46	Pass
39	0,001	0,058	1,3	0,003	0,087	3,67	Pass
40	0,001	0,046	1,4	0,002	0,069	3,34	Pass

VOLTAGE FLUCTUATIONS AND FLICKER

Measurement Data (Front Left Zone)

Parameter values recorded during the test:

Vrms at the end of test (Volt):	230,70			
Highest dt (%):	1,58	Test limit (%):	3,30	Pass
Time(mS) > dt:	0,0	Test limit (mS):	500,0	Pass
Highest dc (%):	1,53	Test limit (%):	3,30	Pass
Highest dmax (%):	1,63	Test limit (%):	4,00	Pass
Highest Pst (10 min. period):	0,773	Test limit:	1,000	Pass

Measurement Data (Front Right Zone)

Parameter values recorded during the test:

Vrms at the end of test (Volt):	230,73			
Highest dt (%):	0,99	Test limit (%):	3,30	Pass
Time(mS) > dt:	0,0	Test limit (mS):	500,0	Pass
Highest dc (%):	0,93	Test limit (%):	3,30	Pass
Highest dmax (%):	1,11	Test limit (%):	4,00	Pass
Highest Pst (10 min. period):	0,458	Test limit:	1,000	Pass

Measurement Data (Rear Left Zone)

Parameter values recorded during the test:

Vrms at the end of test (Volt):	227,20			
Highest dt (%):	1,61	Test limit (%):	3,30	Pass
Time(mS) > dt:	0,0	Test limit (mS):	500,0	Pass
Highest dc (%):	1,54	Test limit (%):	3,30	Pass
Highest dmax (%):	1,65	Test limit (%):	4,00	Pass
Highest Pst (10 min. period):	0,749	Test limit:	1,000	Pass

Measurement Data (Rear Right Zone)

Parameter values recorded during the test:

Vrms at the end of test (Volt):	230,56			
Highest dt (%):	1,49	Test limit (%):	3,30	Pass
Time(mS) > dt:	0,0	Test limit (mS):	500,0	Pass
Highest dc (%):	1,29	Test limit (%):	3,30	Pass
Highest dmax (%):	1,49	Test limit (%):	4,00	Pass
Highest Pst (10 min. period):	0,652	Test limit:	1,000	Pass

COMPONENT LISTS

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
Heating Elements	Ceramaspeed	200N7-L…….	1800W 230V~ ϕ180mm HL type
	EGO	10.58111.004	1800W 230V~ ϕ180mm HL type
	EGO	10.58111.44	1800W 230V~ ϕ180mm HL type
	Ceramaspeed	200N8L6699DE281	1800W 230-240V~ ϕ180mm HL type
	EIKA	2002032932	1800W 230-240V~ ϕ180mm HL type
	EGO	10.58211.004	1800W 230-240V~ ϕ180mm HL type
	Ceramaspeed	200N8-L6698DE201	1800W 230-240V~ ϕ180mm HL type
	EIKA	2002032832	1800W 230-240V~ ϕ180mm HL type
	Ceramaspeed	IR200P8157DE2074Z	1700W 230-240V~ ϕ180mm HAL type
	EIKA	2001032832	1700W 230-240V~ ϕ180mm HAL type
	EGO	10.98501.104	1800W 230-240V~ ϕ180mm HAL type
	EGO	10.78631.004	1700W 230-240V~ ϕ180mm RM type
	EGO	10.88631.040	1700W 230-240V~ ϕ180mm RM type
	Ceramaspeed	200N57479LY20336Y	1700W 230-240V~ ϕ180mm RM type
	EIKA	2000632832	1700W 230-240V~ ϕ180mm RM type
	Ceramaspeed	200N57479LY28336Y	1700W 230-240V~ ϕ180mm RM type
	EIKA	2000632932	1700W 230-240V~ ϕ180mm RM type
	Ceramaspeed	200N6-L2205V	1700W 230-240V~ ϕ180mm RM type
	EGO	10.58211.443	1700/600W 230V~ ϕ100/180mm HL type
	EGO	10.58211.004	1700/750W 230V~ ϕ120/180mm HL type
	Ceramaspeed	200T8-L6705DE201	1700/750W 230V~ϕ120/180mm HL type

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
	Ceramaspeed	230T8-L6703DE281	2100/700W 230V~ ϕ120/210mm HL type
	EIKA	2302333932	2100/700W 230V~ ϕ120/210mm HL type
	Ceramaspeed	230T8-L6702DE201	2100/700W 230V~ ϕ120/180mm HL type
	EIKA	2302333832	2100/700W 230V~ ϕ120/210mm HL type
	EGO	10.51211.002	2100/700W 230V~ ϕ120/210mm HL type
	Ceramaspeed	230T8-L5625DE201	2200/1000W 230V~ ϕ140/210mm HL type
	EIKA	2312333832	2200/1000W 230V~ ϕ140/210mm HL type
	EGO	10.51211.404	2200/1000W 230V~ ϕ140/210mm HL type
	Ceramaspeed	230N8-L6701DE281	2200W 220-240V~ ϕ210mm HL type
	EIKA	2302032932	2200W 220-240V~ ϕ210mm HL type
	Ceramaspeed	230N8-L6700DE201	2200W 220-240V~ ϕ210mm HL type
	EIKA	2302032832	2200W 220-240V~ ϕ210mm HL type
	EGO	10.51111.004	2200W 220-240V~ ϕ210mm HL type
	EGO	10.81631.040	2100W 230-240V~ ϕ210mm RM type
	EIKA	2300632932	2100W 220-240V~ ϕ210mm RM type
	Ceramaspeed	230N57480LY28336Y	2100W 220-240V~ ϕ210mm RM type
	EIKA	2300632832	2100W 230-240V~ ϕ210mm RM type
	EGO	10.71631.004	2100W 230-240V~ ϕ210mm RM type
	Ceramaspeed	230N5-7480LY20336Y	2100W 230-240V~ ϕ210mm RM type
	Ceramaspeed	200M56605LY2034	1700W 230-240V~ ϕ180mm RT type
	EIKA	2000734832	1700W 230-240V~ ϕ180mm RT type
	EGO	10.78431.004	1700W 230-240V~

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
			ϕ180mm RT type
	Ceramaspeed	200M56605LY2034	1700W 200-250V~ ϕ180mm RT type
	EGO	10.71431.004	2100W 230-240V~ ϕ210mm RT type
	EIKA	2300734832	2100W 230-240V~ ϕ210mm RT type
	Ceramaspeed	230M5-6608LY2034	2100W 220-450V~ ϕ210mm RT type
	EIKA	1652032832	1000W 230V~ ϕ145mm HL type
	EGO	10.54111.011	1000W 230V~ ϕ145mm HL type
	EIKA	1652032832	1000W 230V~ ϕ145mm HL type
	Ceramaspeed	165N7-L…….	1200W 230V~ ϕ145mm HL type
	Ceramaspeed	165N8-L6695DE281	1200W 230V~ ϕ145mm HL type
	EIKA	1652032932	1200W 230V~ ϕ145mm HL type
	EIKA	1652032832	1200W 230V~ ϕ145mm HL type
	Ceramaspeed	165N8-L6694DE201	1200W 230V~ ϕ145mm HL type
	EGO	10.54111.004	1200W 230V~ ϕ145mm HL type
	Ceramaspeed	IR165P847RC2089N	1200W 230V~ ϕ145mm HAL type
	EIKA	1651032832	1200W 230V~ ϕ145mm HAL type
	EGO	10.94501.104	1200W 230V~ ϕ145mm HAL type
	Ceramaspeed	165N5-7478LY28336Y	1200W 230V~ ϕ145mm RM type
	EIKA	1650632932	1200W 230V~ ϕ145mm RM type
	Ceramaspeed	165N5-7478LY20336Y	1200W 230V~ ϕ145mm RM type
	EIKA	1650632832	1200W 230V~ ϕ145mm RM type
	EGO	10.74631.004	1200W 230V~ ϕ145mm RM type

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
	Ceramaspeed	165M5-6602LY2034	1200W 230V~ ϕ145mm RT type
	EIKA	1650734832	1200W 230V~ ϕ145mm RT type
	EGO	10.74431.004	1200W 230V~ ϕ145mm RT type
	EGO	10.57411.571	1800/1000W 230V~ ϕ145/250mm HL type
	Ceramaspeed	165V7-L5930D	1800/1100W 230V~ ϕ145/250mm HL type
	Ceramaspeed	165V8- L6831DE25136Y	1800/1000W 230V~ ϕ145/250mm HL type
	EIKA	2702433832	1800/1000W 230V~ ϕ145/250mm HL type
	EGO	10.57411.574	1800/1000W 230V~ ϕ145/250mm HL type
	Ceramaspeed	190V7-L…….	2200/1400W 230V~ ϕ170/265mm HL type
	Ceramaspeed	190V8- L6696DE20236Y	2200/1400W 230V~ ϕ170/265mm HL type
	EIKA	2852433832	2200/1400W 230V~ ϕ170/265mm HL type
	Ceramaspeed	300T7-L7571DE201	2400/1500W 230V~ ϕ275/210mm HL type
	Ceramaspeed	300T8-L7796D-E2020	2400/1500W 230V~ ϕ275/210mm HL type
	EGO	10.53211.004	2500/1100W, 230V~ ϕ230/140mm HL type
	EGO	10.51214.075	2100/700W, 230V~ ϕ250/160mm HL type
	EIKA	2502333912	2500W/1100W, 230V~ ϕ250/160mm HL type
Thermostats	Electrovac	Z98	12A/250V 8A/400V T250
	EGO	60.25171.003	12A 250V 8A 400V T250
	Electrovac	Z82	12A/250V 7A/400V T250
	Electrovac	Z95	12A 250V 8A 400V T250
	EIKA	TH0xxxxx	12A 250V 8A 400V T250
	Siebe Appliance Controls (Invensys)	MSA 312-TW	15A 240V T125[2)]
	Siebe Appliance Controls (Invensys)	MSA V01	15A 240V T125[2)]
	EGO	50.57021.010	13A 230V μ freq. op. T125
	EGO	50.55021.100	13A 230V μ T125

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
	EGO	50.57071.041	13A 230V μ T125
	EGO	50.55021.104	13A 230V μ T125
	Siebe Appliance Controls	MSA 369-TW	15A 240V T125[2)]
	Siebe Appliance Controls (Invensys)	MSA V03	15A 240V T125[2)]
Commutators	EGO	46.27266.500	16 A 250V - 10A 400V (PD 58 -WITH CARDAN JOINT)
	EGO	41.41723.005	16 A 250V - 10A 400V (PD 58 -WITH CARDAN JOINT)
	EGO	41.44723.006	16 A 250V - 10A 400V (PD 58 -WITH CARDAN JOINT)
	Dreefs	TypeE/01-0508	12 A - 250V - 400V T125 (PD 29-CARDAN JOINT)
Power / touch control PCBs	EGO	75.13020.303	-
	EGO	75.13020.302	-
	DDS	DDS151B	-
	DDS	DDS218	
	DDS	DDS151REL	
	PGA	9901R2,1	-
	PGA	9901	-
	DIEHL	704455	-
	DIEHL	TC4 SE 13704-014	-
	DIEHL	TC4 SE 13704-080	-
	DIEHL	701449	-
	DIEHL	706964	-
	EIKA	87140036010011	-
	EIKA	86140036010011	-
	Cherry	YS7-1104 I07IE	-
	Cherry	YS7-1508 I14JH	-
	Cherry	YS7-2602 I17L	-
	PGA	9922	-
	PGA	9920	-
	EGO	75.13022.102	-
	EGO	75.13022.103	-
	EIKA	BJ350A36211101	-
	EIKA	BJ361A36211101	-
	EIKA	BG361336011103	-
	EIKA	**BN340D36211107**	**208-240V~**

Object / part No.	Manufacturer/ trademark	Type / model	Technical data
	EIKA	**BN340D3621110B**	**208-240V~**
	DIEHL	TC-4SE-Z-XX-YY-105-U230	230V 50-60Hz T105
	EIKA	8A 1..0 360…..	230V 50/60Hz T105
	EIKA	8B.1..0 360…..	230V 50/60Hz T105
	EGO	75.13061.201	-
	EGO	75.13061.202	-
	DIEHL	TC3-Q-9T-4R-U230	-
	DIEHL	TC4-Standard H	-
Relays	Schrack	LNH30012	16A 250V CLA T70
	Carlo Gavazzi	M25 A 001 12 16	16A/250V
	Omron	G2RL-1-E	16A/250V/AC1
	Matsushita	JS1-12V	10A 230V CL.A T85
	Matsushita	JS1a-12V	10A 230V CL.A T85
	Schrack	RT314012	16A 250V CLA T70
	NAIS	JS1a-B-6V-H150	10A 250V 6Vdc

* Components in bold letters are the ones added during the latest update of the report.