



Technical Report No.: 260024a – 09 - TAC
Test method: technical annexes of the ECE Regulation No. 010.03
Manufacturer / Order party: EKOTRONIC s.r.o.
Product under test: DC/DC Converters

TECHNICAL REPORT
No. 260024a – 09 - TAC

Test according to technical annexes of the ECE Regulation No. 010.03
Uniform provisions concerning the approval of vehicles
with regard to electromagnetic compatibility.

Test method: ECE No. 010.00 – date of entry into force: 1 April 1969
including all amendments up to and including:
ECE No. 010.03, date of entry into force 11 July 2008

Normatives covering equivalent (similar) requirements: 2009/19/EC (CISPR 25)

I. Technical data

- 0.1.1. Order party: EKOTRONIC s.r.o.,
Podnikatelská 553,
190 11 PRAHA 9,
Czech Republic
- 0.1.2. Manufacturer: see 0.1.1.
- 0.2. Product under test: DC/DC Converters up to 600W
- 0.3. Test required: type test



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II. Test report

1. Test conditions

- 1.1. Test sample: DC/DC Converters, types:
B400 L1S12TUVWX2 24V/12V (32A)
D600 NS1Y1 80V/12V (32A)
F100 L1S1X3 48V/24V (5A)
F300 NS1Y1 48V/12V (20A)
F300 NS1QY1 48V/12V (20A)
S600 C1KL2S12X14 12V/24V (25A)
- 1.2. Test procedures used: tests executed according to certified procedures:
(1.3. *) Measurement of high frequency disturbing electromagnetic fields and voltages, tests of high frequency resistance
- *) Attachment 6 of the Quality Reference Manual TÜV SÜD Auto CZ*
- 1.3. Measuring and test equipment: radiated interference measuring set:
test receiver ROHDE & SCHWARZ
ESCS 30 No. 100207,
log. periodical antenna SUNOL SCIENCES
JB 3 No. A012006.
LISN ROHDE & SCHWARZ
ESH3-Z6 No. 847250/015.
EMC test software ROHDE & SCHWARZ
EMC 32.
- 1.4. Testing conditions: interior test, 23°C
- 1.5. Test track or site: anechoic chamber TÜV SÜD Auto CZ

2. Test results

(number in parentheses corresponds with part of the applied Regulation)

(6.6.) Narrowband interference in frequency response 30 to 1000MHz

comply (see attachment)

3. Specimen submitted to test on:

1 April 2009

4. Date of test:

1 April 2009

III. Manufacturer's information folder

Catalogue sheets

5 pcs (not dated)

IV. Attachment

Diagrams of measured and limit values of radiated interference

7 pages

The results presented above have been measured/found in the No. 1107 laboratory accredited by ČIA according to the ISO/IEC 17025 standard and relate only to the items tested. The final assessment exceeds the accreditation scope.

Measuring and test equipment and test site meet the requirements of the applicable legislation. This report must never be reproduced incomplete without a written permission of the testing laboratory.

V. Final assessment

The test samples

comply

with the requirements of mentioned technical annexes of the ECE Regulation No. 010.03

This technical report consists of pages No. 1 to 4 and 7 pages of attachment

Zdeněk Hrdlička

Vilém Kunzl

Test executive

Officially recognized expert

Prague, 6 April 2009