




**TEST RESULTS:**

The equipment under test meet the requirements of the Directive 95/54/CE.  
The results of the test are shown in detail on the following pages.

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**Authorised Signatory/ies**

**Date of issue:** Bellaterra, 24/01/2002



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TECHNOLOGICAL  
CENTER

Antoni Martin Ruiz  
Technical Responsible

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The test result is only valid for the equipment tested. A summary of the test report may be reproduced only when it is clearly that it is a summary, and the summary has been approved by LGAI by writing.

This document will not be reproduced otherwise than in full. This document consists of 8 pages



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## 1 TEST REQUIREMENTS

### 1.1 Measuring equipment used

Radiated Emission Test
Semianechoic chamber EUROSIELD model TC2 TEST CHAMBER.
Receiver EMI HP model 8542E.
Attenuator 3dB NARDA model 773-3 s/n: 111.
Bilogoperiodic antenna MESS-ELEKTRONIK model VULB 9165 s/n: 2010.
Antenna tower HD model MA 240T s/n: 240/458.
Powerline Filter (Single Fase) 100A – Mod: 23336C S/N:
Power Supply Technos Electronico, S.A. Mod: LN-1200/30 S/N: 0-0119704
LISN 70A MESS-ELEKTRONIK model NNBM 8126-A s/n: 8126-A/123 and 8126-A/122.
Computer system HP model KAYAK XM600 SERIES. S/N: FR10717868

Radiated immunity
Semianechoic chamber EUROSIELD model TC1 TEST CAMBER
Amplifier AR model 500A100M2 s/n: 21608
Amplifier AR model 500W1000M11 s/n: 21625
Power meter BOONTON model 4300 s/n: 93305EF
Power sensor BOONTON model 51013(4E) s/n: 29953 and 29954
Directional coupling AR model DC2600 s/n: 21755
Directional coupling AR model DC6180 s/n: 22077
Signal generator HP model HP8648D s/n: 3642U00189
Field intensity meter AR model FP3000A s/n: 21937
Logoperiodic antenna EMC AUTOMATION model LPD-1000-4-3 s/n: LPD98022
Powerline Filter (Single Fase) 100A – Mod: 23336C S/N:
Power Supply Technos Electronico, S.A. Mod: LN-1200/30 S/N: 0-0119704
LISN 70A MESS-ELEKTRONIK model NNBM 8126-A s/n: 8126-A/123 and 8126-A/122.
Biconical antenna EMCO model:3109XLP s/n:9712-3139

### 1.2 DUT Operating Modes

Voltage supply: 13.5VDC  
DUT working in continuous mode.

### 1.3 Measuring Uncertainties

TEST	UNCERTAINTY
Radiated Emission Test	± 4dB
Radiated Immunity Test	± 1V/m

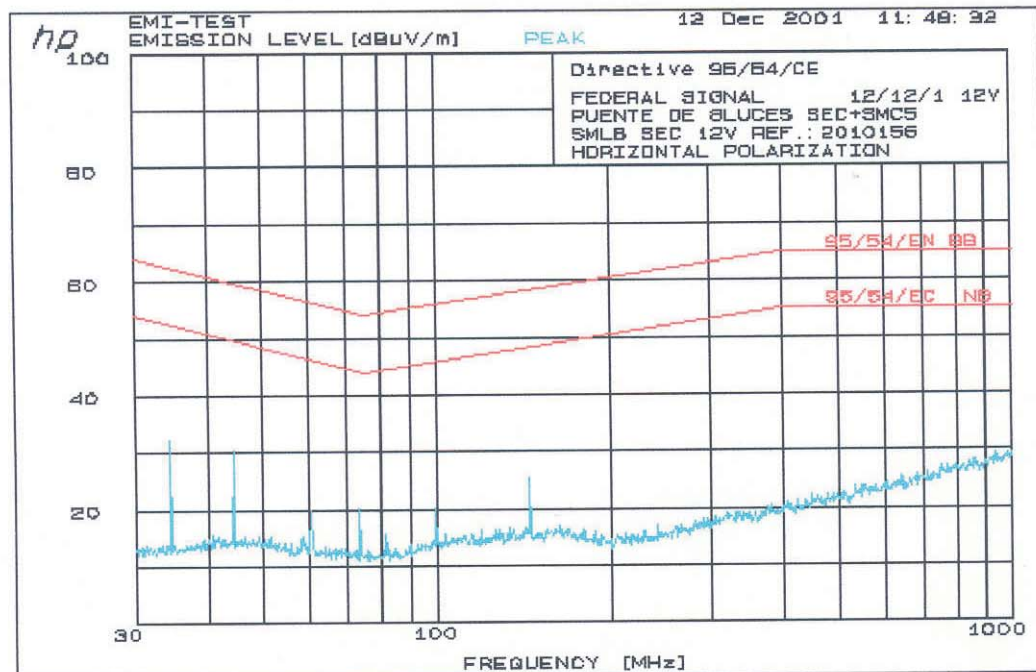
## 2. TEST RESULTS

### 2.1 Radiated Emissions Test

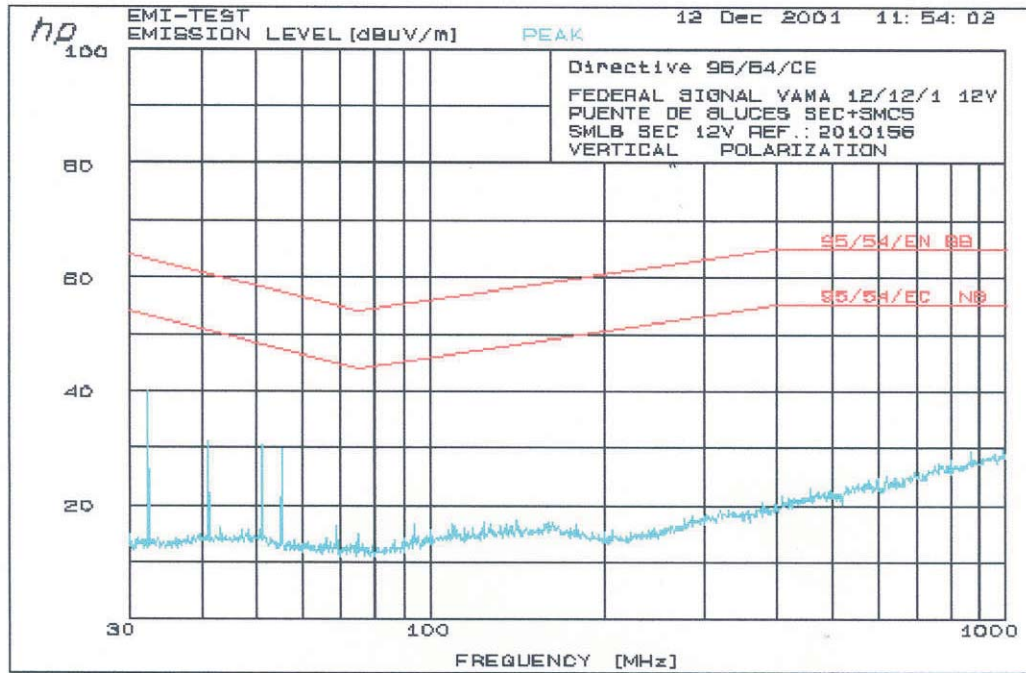
NB/BB emissions  
 BB (120kHz QP detector).  
 Polarisation: Horizontal and vertical.

Device under test	Result
SMC5 SIGNAL MASTER CONTROLLER	PASS

#### Horizontal polarisation



**Vertical polarisation**



**Radiated Immunity test**

<b>Test site</b>	<b>SAC1</b>
<b>Frequency range</b>	<b>20MHz – 1000MHz</b>
<b>Severity</b>	<b>30V/m</b>
<b>Modulation</b>	<b>AM 80% 1kHz</b>
<b>Polarisation</b>	<b>Horizontal and vertical</b>

<b>Device under test</b>	<b>Result</b>
<b>SMC5 SIGNAL MASTER CONTROLLER</b>	<b>PASS</b>

**Conformance criteria:** The main performance of the device under test is remaining during the test.

### 3. Test set-up

