Testing
2012/2013 Directory

Test Houses & Labs  EMC Equipment
Rely on the market leader
We have what you need.

Rohde & Schwarz provides EMC customers with state-of-the-art test solutions for all requirements:
- Widest range of test receivers and analyzers for EMI measurements
- Turnkey EMC test systems
- Most advanced and flexible broadband amplifier system
- Software tools for computer-controlled EMC measurements
- Radiated spurious emissions and over-the-air performance tests of wireless communication devices

Want to learn more?
http://www.rohde-schwarz.com/ad/emc

More than 40 years of EMC T&M experience
This directory is split into two, the first part has information on Test Laboratories and the second part focuses on Test Equipment. The Test Equipment section starts on page 27.

This first section contains comprehensive information on most of the major Test Laboratories in the UK. All the information was supplied by the test labs in response to a questionnaire. We have then packaged it into, what we hope, is a useful source of information. It should prove particularly useful when seeking a Lab that is either near you or provides the services you require.

Simple use the Quick Services, Location and Contact Finders on pages 2 to 7.

If you are a Test Lab either in the UK, Europe, USA or elsewhere in the world and would like to be included in the next Edition, please email pam@nutwooduk.co.uk. We will send you our information pack. Or Fax +44 (0)1208 851630.

More information on Test Labs and masses of other EMC compliance matters log on to our web site www.theemcjournal.com.

If you are a Manufacturer, Supplier or Consultant in the field of EMC you could probably benefit from membership of the EMCIA. Visit the website www.emcia.org to find out more.
Quick Services Finder

To find the service you require, you will see listed below each main heading, sub headings listed in red. Under these headings are the Test Labs providing those services. You can then simply turn to page 7 for relevant company page numbers.

For the Test Equipment Quick Product Finder go to page 29.

Accreditations

EMC CABs
- Hurley EMC Services
- MIRA
- SGS United Kingdom Limited
- TÜV SÜD Product Service

UKAS Accredited
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Cranage EMC & Safety
- Contek
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- Kiwa Blackwood Compliance Labs
- MIRA
- MS Testing
- QinetiQ
- SGS United Kingdom Limited
- TÜV SÜD Product Service
- York EMC Services Ltd

AEMCLRP
- 3C Test Ltd
- Contek
- Bluetooth BQTF
- TüV SÜD Product Service

BSMI Taiwan Accreditation
- Hurley EMC Services

CAA
- Contek
- TÜV SÜD Product Service

CAB
- Hurley EMC Services
- TÜV SÜD Product Service

CB Scheme
- Hurley EMC Services
- TÜV SÜD Product Service

CESG Accredited Test Facility
- QinetiQ

Chrysler
- MIRA

ELA
- Hurley EMC Services

EU Notified Body
- 3C Test Ltd
- TÜV SÜD Product Service

FCC
- 3C Test Ltd
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Hurley EMC Services
- MIRA

RFCAB (Japan)
- TÜV SÜD Product Service

RTCA
- Electromagnetic Testing Services Ltd

Section 5 Authority under Firearms Act
- TÜV SÜD Product Service

TÜV Rheinland (UK)
- Cranage EMC & Safety

TÜV Rheinland N. America
- Cranage EMC & Safety

VCA
- 3C Test Ltd
- Contek
- Hurley EMC Services
- TÜV SÜD Product Service

VCCI
- 3C Test Ltd
- Hurley EMC Services
- TÜV SÜD Product Service

VSCC Taiwan
- MIRA

Facilities

3 phase Capability
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Fire Testing
- SGS United Kingdom Limited
- TÜV SÜD Product Service

Environmental Testing
- BAE Systems
- Contek
- Cranage EMC & Safety
- Electro Magnetic Testing Services Ltd
- Hurley EMC Services
- MIRA

Flame Testing
- SGS United Kingdom Limited
- TÜV SÜD Product Service

ISO 9001
- MIRA
- QinetiQ
- TÜV SÜD Product Service

MIRA
- TÜV SÜD Product Service
- York EMC Services Ltd

MS Testing
- QinetiQ

MS Testing
- QinetiQ

Nemko
- Hurley EMC Services

NPIA Preferred Supplier
- MIRA

Police Information Technology Organisation (PITO) Preferred Supplier
- TÜV SÜD Product Service

Rail Industry Supplier
- Electromagnetic Testing Services Ltd
- RRD
- MIRA

Semi-anechoic Chamber
- Hurley EMC Services

Scremed Room
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Second Chamber
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Screened Room
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Semi-anechoic Chamber
- Hurley EMC Services

Scremed Room
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Second Chamber
- 3C Test Ltd
- AQL EMC Ltd
- BAE Systems
- Contek
- Cranage EMC & Safety
- dB Technology
- Electromagnetic Testing Services Ltd
- Electronic Test & Calibration Ltd
- Hurley EMC Services
- MIRA

Screened Room
- 3C Test Ltd
- AQL EMC Ltd
Installations on Customer Site

3C Test Ltd
AQL EMC Ltd
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MS Testing
QinetiQ
SGS United Kingdom Limited
TRaC
York EMC Services Ltd

Large Equipment

3C Test Ltd
AQL EMC Ltd
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MS Testing
QinetiQ
SGS United Kingdom Limited
TRaC
York EMC Services Ltd

Testing Services

Anechoic Chamber Testing

BAE Systems
Electromagnetic Testing Services Ltd
MS Testing
QinetiQ
TRaC
York EMC Services Ltd

Antenna Calibration

3C Test Ltd
Cranage EMC & Safety
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
QinetiQ

Anti-Theft (Automotive)

Cranage EMC & Safety
MIRA
SGS United Kingdom Limited
TRaC

Audio Testing

TRaC

Automotive

3C Test Ltd
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC

Cable Testing

3C Test Ltd
Electronic Test & Calibration Ltd
QinetiQ
SGS United Kingdom Limited
York EMC Services Ltd

CE Compliance

3C Test Ltd
AQL EMC Ltd
BAE Systems
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
EMC Test Club
Hursley EMC Services
Kwa Blackwood Compliance Labs
MIRA
MS Testing
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Chamber Evaluation as F.U. & Free Space NSA

EMC Hire

Civil & Military Testing

3C Test Ltd
AQL EMC Ltd
BAE Systems
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
MS Testing
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Compliance Testing

3C Test Ltd
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
Kwa Blackwood Compliance Labs
MIRA
MS Testing
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Environmental Testing

BAE Systems
Conekt
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

EMF

Cranage EMC & Safety
Electromagnetic Testing Services Ltd
Kwa Blackwood Compliance Labs
QinetiQ
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

EMF-RADHAZ Testing

MIRA

Environmental Surveys

Electromagnetic Testing Services Ltd
EMC Hire
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

FGC

3C Test Ltd
Cranage EMC & Safety
dB Technology
Electromagnetic Testing Services Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Flicker Calibration

York EMC Services Ltd

GTEM Testing

Cranage EMC & Safety
Electromagnetic Testing Services Ltd
York EMC Services Ltd

GSM

Cranage EMC & Safety
TÜV SÜD Product Service

Halt

Conekt
TRaC
TÜV SÜD Product Service

Harmonics Calibration

York EMC Services Ltd

HIRF Test System

AQL EMC Ltd
BAE Systems
Conekt
QinetiQ
TRaC

IECEE CB Test Report

Cranage EMC & Safety
Hursley EMC Services
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Instrument Calibration

Cranage EMC & Safety
Electromagnetic Testing Services Ltd
MIRA
QinetiQ
TÜV SÜD Product Service
York EMC Services Ltd

Lighting - Category 1 - 5

AQL EMC Ltd
TRaC
TÜV SÜD Product Service

Lightning Testing

AQL EMC Ltd
Conekt
Cranage EMC & Safety
TRaC
TÜV SÜD Product Service

All this information was supplied by the companies.
Low Voltage Directive
3C Test Ltd
BAE Systems
Conekt
Craneage EMC & Safety
Electronic Test & Calibration Ltd
Hursley EMC Services
Kiwa Blackwood Compliance Labs
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Machinery Directive
Conekt
Craneage EMC & Safety
MS Testing
TÜV SÜD Product Service
York EMC Services Ltd

Microwave Testing
AQL EMC Ltd
BAE Systems
Conoek
Craneage EMC & Safety
db Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Military Testing
3C Test Ltd
AQL EMC Ltd
BAE Systems
Conoek
Craneage EMC & Safety
db Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Mobile On-site
3C Test Ltd
AQL EMC Ltd
Craneage EMC & Safety
db Technology
Electronic Test & Calibration Ltd
Hursley EMC Services
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Mobile Phone Testing
SGS United Kingdom Limited
TÜV SÜD Product Service

Noise
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
York EMC Services Ltd

OATS-NSA
EMC Hire
MIRA

On-site Calibration
Conoek
Electronic Test & Calibration Ltd
MS Testing
TRaC

On-site Testing
3C Test Ltd
AQL EMC Ltd
Conoek
Craneage EMC & Safety

Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
EMC Hire
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Radiation
MIRA

Remedial EMC Work
3C Test Ltd
AQL EMC Ltd
BAE Systems
Conoek
Craneage EMC & Safety
db Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
EMC Hire
Hursley EMC Services
Kiwa Blackwood Compliance Labs
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

R&TTE
3C Test Ltd
Craneage EMC & Safety
db Technology
Electromagnetic Testing Services Ltd
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

RoHS
Cranage EMC & Safety
Safety Testing (EU)
3C Test Ltd
Cranage EMC & Safety
db Technology
Electronic Test & Calibration Ltd
Hursley EMC Services
Kiwa Blackwood Compliance Labs
MIRA
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Signal Testing (USA & Canada)
Cranage EMC & Safety
Hursley EMC Services
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

SAR
MIRA
SGS United Kingdom Limited
TÜV SÜD Product Service

Shielding Tests
AQL EMC Ltd
BAE Systems
Craneage EMC & Safety
Electromagnetic Testing Services Ltd
EMC Hire
MIRA
QinetiQ
TRaC
York EMC Services Ltd

Short Range Device (SRD)
Cranage EMC & Safety
Electromagnetic Testing Services Ltd
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Surge Testing
AQL EMC Ltd
BAE Systems
Craneage EMC & Safety
Electromagnetic Testing Services Ltd
EMC Hire
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Telecoms - Compliance Testing
Cranage EMC & Safety
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Telecoms - Pre-compliance Testing
Cranage EMC & Safety
Electronic Test & Calibration Ltd
Hursley EMC Services
MIRA
QinetiQ
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

Whole Vehicle EMC Test
3C Test Ltd
AQL EMC Ltd
QinetiQ
TRaC

All this information was supplied by the companies.
Notified Body

2009/19/EC Automotive
3C Test Ltd
SGS United Kingdom Limited
TRaC

94/9/EC ATEX
TRaC
TÜV SÜD Product Service

2009/142/EC Appliances
burning gasous fuels
Kiwa Blackwood Compliance Labs

92/42/EEC Boiler Efficiency
Kiwa Blackwood Compliance Labs

89/106/EEC Construction
Products
Kiwa Blackwood Compliance Labs
MIRA
TÜV SÜD Product Service

2004/108/EC EMC
3C Test Ltd
Hursley EMC Services
Kiwa Blackwood Compliance Labs
MIRA
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service
York EMC Services Ltd

2006/95/EC Low Voltage
Cranage EMC & Safety
Hursley EMC Services
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service

98/37/EC Machinery
MIRA
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service

96/98/EC Marine Equipment
Hursley EMC Services
TÜV SÜD Product Service

93/42/EEC Medical Devices
Hursley EMC Services

2000/14/EC Noise
MIRA
TRaC

89/686/EEC Personal Protective Equipment (PPE)
SGS United Kingdom Limited

97/23/EC Pressure Equipment
SGS United Kingdom Limited

1999/5/EC R&TTE
MIRA
SGS United Kingdom Limited
TRaC
TÜV SÜD Product Service

88/378/EEC Safety of Toys
SGS United Kingdom Limited

Automotive Technical Service
3C Test Ltd
SGS United Kingdom Limited
TRaC
Quick Location Finder
<table>
<thead>
<tr>
<th>Map No.</th>
<th>Town</th>
<th>Company</th>
<th>Telephone Number</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Silverstone</td>
<td>3C Test Ltd</td>
<td>+44 (0)1327 857500</td>
<td>8</td>
</tr>
<tr>
<td>2</td>
<td>Wimborne</td>
<td>AQL EMC Ltd</td>
<td>+44 (0)1202 861175</td>
<td>9</td>
</tr>
<tr>
<td>3</td>
<td>Rochester</td>
<td>BAE Systems - The Faraday Test Centre</td>
<td>+44 (0)1634 204457</td>
<td>10</td>
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<tr>
<td>4</td>
<td>Solihull</td>
<td>Conekt</td>
<td>+44 (0)121 627 4242</td>
<td>11</td>
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<tr>
<td>5</td>
<td>Market Drayton</td>
<td>Cranage EMC &amp; Safety Ltd</td>
<td>+44 (0)1630 658568</td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td>Cambridge</td>
<td>dB Technology</td>
<td>+44 (0)1954 251974</td>
<td>13</td>
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<tr>
<td>7</td>
<td>Dunmow</td>
<td>Electromagnetic Testing Services Ltd</td>
<td>+44 (0)1371 856061</td>
<td>14</td>
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<tr>
<td>8</td>
<td>Bideford</td>
<td>Electronic Test &amp; Calibration Ltd</td>
<td>+44 (0)1237 423388</td>
<td>15</td>
</tr>
<tr>
<td>9</td>
<td>Shefford</td>
<td>EMC Hire Ltd</td>
<td>+44 (0)1462 817111</td>
<td>16 &amp; 17</td>
</tr>
<tr>
<td>10</td>
<td>Hatfield</td>
<td>EMC Test Club</td>
<td>+44 (0)1707 265898</td>
<td>17</td>
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<tr>
<td>11</td>
<td>Eastleigh</td>
<td>Hursley EMC Services Ltd</td>
<td>+44 (0)23 8027 1111</td>
<td>18</td>
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<tr>
<td>12</td>
<td>Blackwood</td>
<td>Kiwa Blackwood Compliance Laboratories</td>
<td>+44 (0)1495 229219</td>
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<tr>
<td>13</td>
<td>Nuneaton</td>
<td>MIRA EMC Engineering</td>
<td>+44 (0)2476 355000</td>
<td>20</td>
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<tr>
<td>14</td>
<td>Newton Aycliffe</td>
<td>MS Testing</td>
<td>+44 (0)1325 321366</td>
<td>21</td>
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<tr>
<td>15</td>
<td>Farnborough</td>
<td>QinetiQ</td>
<td>+44 (0)1252 394133</td>
<td>22</td>
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<tr>
<td>16</td>
<td>Bowburn</td>
<td>SGS United Kingdom Limited</td>
<td>+44 (0)191 377 2000</td>
<td>23</td>
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<tr>
<td>17</td>
<td>Malvern</td>
<td>TRaC</td>
<td>+44 (0)1684 571700</td>
<td>24</td>
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<tr>
<td>18</td>
<td>Hull</td>
<td>TRaC</td>
<td>+44 (0)1482 801801</td>
<td>24</td>
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<tr>
<td>19</td>
<td>Wimborne</td>
<td>TRaC</td>
<td>+44 (0)1202 811700</td>
<td>24</td>
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<tr>
<td>20</td>
<td>North West</td>
<td>TRaC</td>
<td>+44 (0)1695 556666</td>
<td>24</td>
</tr>
<tr>
<td>21</td>
<td>Warwick</td>
<td>TRaC</td>
<td>+44 (0)1926 478478</td>
<td>24</td>
</tr>
<tr>
<td>22</td>
<td>Watford</td>
<td>TRaC</td>
<td>+44 (0)1923 229818</td>
<td>24</td>
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<tr>
<td>23</td>
<td>Farnham</td>
<td>TÜV SÜD Product Service</td>
<td>+44 (0)1489 558100</td>
<td>25</td>
</tr>
<tr>
<td>24</td>
<td>Stratford upon Avon</td>
<td>TÜV SÜD Product Service</td>
<td>+44 (0)1329 443300</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>Walton on Thames</td>
<td>TÜV SÜD BABT</td>
<td>+44 (0)1932 251200</td>
<td>25</td>
</tr>
<tr>
<td>26</td>
<td>York</td>
<td>York EMC Services Ltd</td>
<td>+44 (0)1904 324440</td>
<td>26</td>
</tr>
<tr>
<td>27</td>
<td>Yate</td>
<td>York EMC Services Ltd</td>
<td>+44 (0)1454 326998</td>
<td>26</td>
</tr>
<tr>
<td>28</td>
<td>Castleford</td>
<td>York EMC Services Ltd</td>
<td>+44 (0)1977 731173</td>
<td>26</td>
</tr>
<tr>
<td>29</td>
<td>Donibristle</td>
<td>York EMC Services Ltd</td>
<td>+44 (0)1383 825057</td>
<td>26</td>
</tr>
</tbody>
</table>
3C Test Ltd
Silverstone
Northamptonshire

Tel: +44 (0)1327 857500
Fax: +44 (0)1327 857747
Email (main): sales@3ctest.co.uk
URL: www.3ctest.co.uk

Costs: Facility dependent
Lead Times: Facility dependent, from 1 week

Company Profile

3C Test is an independent test facility that has built a solid reputation for quality and excellence in Electromagnetic Compatibility testing for customers worldwide. Ideally situated, just 15 minutes from both the M1 and M40 motorways, allowing easy access from all parts of the country.

Formed in 1988 as an EMC consultancy business to the IT industry, 3C Test Ltd has grown into one of the UK’s leading EMC test houses, and now services the following markets:

- Transport (Automotive + Rail)
- Consumer Products
- Medical
- Laboratory & Instrumentation
- Defence & Aerospace
- IT & Telecoms

Our new purpose built facility boasts excellent customer facilities (Internet, Tea & coffee making facilities, TV, Fridge etc) and a secure pass-coded environment, allowing free movement in general areas, whilst protecting your confidentiality in the test areas.

Our new facility has been optimised for maximum efficiency and flexibility, which enable us to provide an extremely competitive service. An overview of our facilities is given below:

- 4 semi-anechoic / ferrite chambers, the largest being 18.2 x 12.7 x 8.1m
- 1 Screened Room (non-lined)
- 1 Surges / ESD / Harmonics laboratory
- 3 Automotive transient laboratories
- 1 safety laboratory
- Customer repair laboratory

Employing a dedicated team of engineers with a combined experience of over 100 years, 3C Test Ltd are well qualified in many different aspects of EMC testing and operate a shift system, to minimise lead times.

Having a number of internationally recognised accreditations, places 3C Test Limited in a prime position, to enable you to get your product to market in an expedient manner. Please give us a call, and we can tailor a package to suit both your current and future needs. We are here to help.

EMCTLA Member

Accreditations
UKAS Accredited. No. 1204
Others:
- AEMCLR P
- EU Notified Body
- FCC
- FORD
- VCA Technical Service
- VCCI

Facilities
- 3 phase Capability
- Screened Room
- Anechoic Chamber
- Semi-anechoic Chamber
- 3m OATS (screened enclosure)
- 10m OATS (screened enclosure)
- Installations on Customer Site
- Large Equipment
- 4m² and 20 tonne point loading.

Testing Services

<table>
<thead>
<tr>
<th>UKAS Accredited</th>
<th>Notified Body for the Following Directives</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerospace Testing</td>
<td>2009/19/EC Automotive</td>
</tr>
<tr>
<td>Antenna Calibration</td>
<td>2004/108/EC - EMC</td>
</tr>
<tr>
<td>Automotive</td>
<td>2004/108/EC - EMC</td>
</tr>
</tbody>
</table>

Company Profile

3C Test Ltd
Silverstone Technology Park
Silverstone Circuit
Northants
NN12 8GX
AQL EMC Ltd
Wimborne
Dorset

Tel: +44 (0)1202 861175
Fax: +44 (0)1202 861176
Email (main): lee.beale@aqlemc.co.uk
URL: www.aqlemc.co.uk
Other Emails: r.hardy@aqlemc.co.uk
Costs: Job Dependent
Lead Times: Job Dependent

Company Profile

AQL EMC Ltd is the longest established UKAS accredited EMC test laboratory specialising in all types of Marine, Defence and Aerospace testing including Lightning, HIRF and EMP. As acknowledged experts in the field of Defence and Aerospace EMC testing, we regularly perform tests to many standards including Def Stan 59-41, Def Stan 59-411, EFA, ABD standards, AMD24C, D6-36440, Panavia, Mil Std 461A/B/C/D/E. RTCA/DO-160C/D/E/F in our 7 state-of-the-art test chambers. In addition we have the capability to perform RS105 and HERO tests (Hazards Electromagnetic Radiation to Ordnance).

We have considerable experience in developing cost-effective solutions to real EMC problems in all manner of environments; and our on-going DCSA contract – from the MOD – has reinforced our position as a leading provider of EMC testing and consultancy in the UK. A major expansion programme during 2007/08 coupled with significant investment in test equipment has further enhanced our capability. This includes 2 additional large anechoically-lined chamber for vehicles and large systems. These additional test chambers, along with extended test hours, allows AQL EMC Ltd the ability to offer parallel testing on systems so reducing test time and customer overheads. This includes a unique 45Hz-850Hz/0-600V (50kVA) programmable supply for allowing all the requirements of the ABD and AMD 24C requirements to be met, even on large systems.

Our specialist facilities are already able to perform radiated susceptibility from DC to 40GHz at HIRF levels and further frequencies are now available giving a maximum field of 22kV/m @ 1m, using portable test equipment. This facility is in addition to our mode tuned / reverberation test chamber (maximum field 6kV/m).

Our Lightning capabilities include single stroke/pin injection and also multiple stroke/multiple burst test techniques. This is further enhanced by the flexibility to perform tests using modified waveforms if required. All these services are available at our Ferndown Site.

Recent improvements have been made to our mobile attenuation test systems allowing fully swept or automated measurements (10kHz-40GHz) to be performed on both large and small enclosures. As a privately-owned company, we offer a truly professional and flexible service when performing pre-compliance tests to assess and solve EMC problems and full system tests on large, complicated test systems.
The Faraday Test Centre

Rochester
Kent

Tel: +44 (0)1634 204457
Fax: +44 (0)1634 203647
Email: paul.j.davison@baesystems.com
URL: www.baesystems.com/faradaytestcentre

Costs: On Application
Lead Times: Variable/Flexible

Company Profile

Housed within a new building at the BAE Systems facility in Rochester, Kent, the Faraday Test Centre is a fully equipped one-stop qualification facility.

The Faraday Test Centre offers an extensive range of services:

- Environmental test laboratory
- EMC test laboratory
- HIRF testing (up to 2000V/m)
- CE/low-voltage assessments
- Test plans, test procedures and reports
- Test cable and fixture design and manufacture
- Design consultancy for electronic equipment/systems

The Faraday Test Centre’s EMC and environmental laboratories have been operating for more than 40 years. A wide range of equipment and an extensive range of skills and capabilities, all housed under one roof, makes BAE Systems a leader in product development and qualification.

The Faraday Test Centre is a United Kingdom Accreditation Service (UKAS) test laboratory, accredited to ISO 17025 for Environmental and EMC testing (UKAS registration number 0047). It also is ISO 9001 approved by BAE Systems Quality Management System.
TRW Conekt
Technical Centre
Stratford Road
Solihull
West Midlands
B90 4GW

Conekt is one of the UK’s few UKAS accredited facilities for indirect lightning strike testing

‘Free-field’ HIRF capability up to 9000V/m, across a frequency range to 18GHz

TRW Conekt

EMCTLA Member
Accreditations
UKAS Accredited. No. 0332
Others:
AEMCLRP
CAA Approval for Test Work
ISO 17025 - Test Laboratory
Vehicle Certification Agency
Facilities
3 phase Capability
Environmental Testing
Screened Room
Anechoic Chamber
Semi-anechoic Chamber
Installations on Customer Site
Large Equipment:
Maximum size: 3x3x3M
Maximum weight: 1 ton

Testing Services
UKAS Accredited
Aerospace Testing
Automotive
Civil & Military Testing
Compliance Testing
Compliance Worldwide
EMC
EMC Modelling, Software Validation
Environmental Testing
Halt
HIRF Test System
Lightning Testing
Low Voltage Directive
Materials & Component Analysis
Military Testing
On-site Calibration
On-site Testing
Pre-compliance EMC Testing
Remedial EMC Work
Test & Certification Lab UK
Test Diagnosis Facilities

Solihull
West Midlands

Tel: +44 (0)121 627 4242
Fax: +44 (0)121 627 4243
Email (main): conekt-enquiries@trw.com
URL: www.conekt.co.uk

Other Emails: carl.raybould@trw.com
colin.gregory@trw.com

Costs: Dependent on test type

Lead Times: Depending on test duration

Company Profile

- Conekt has over 50 years of fully accredited design, development and product validation experience.
- Conekt (part of TRW Automotive) is located in the UK (Solihull).
- Our Aerospace “Centre of Excellence” is one of the UK’s few UKAS accredited facilities for indirect lightning strike testing.
- Conekt holds accreditations to key specifications for the following markets:
  - Aerospace
  - Defence
  - Automotive
  - Commercial Vehicles

Conekt offers:
- EMC, pre-compliance and transient testing along with modelling solutions for conducted and radiated problems
- High intensity radiated field (HIRF) testing (the first commercial operation in the UK to provide ‘free-field’ HIRF capability of up to 9000V/m, across a frequency range to 18GHz)
- Reliability Engineering
- Design Engineering consultancy
- Product design & development, including simulation & modelling
- Vibration and Shock & Mechanical Testing
- Environmental & Climatic Testing
- Material and Failure Analysis
- Instrumentation & Test Rig Design
- HALT – Highly Accelerated Life Testing

Call Carl Raybould on +44 (0)121 627 4242 for more information or see www.conekt.co.uk

All this information was supplied by the companies
Company Profile

Cranage is the UK’s leading company for testing electrical / electronic products for EMC and low voltage safety up to 1000V AC / 1500V DC. Founded 20 years ago, Cranage has accredited laboratory and onsite testing facilities for the following product categories:-

- Household Appliances
- Security, Fire & Smoke
- Electrical Accessories
- Medical & Therapeutic
- Mobility Aids & Stair-lifts
- Information Technology
- Professional Audio-visual
- LED & Induction Lighting
- Scientific & Laboratory
- Industrial Equipment & Machinery
- Power Supplies & Grid Inverters
- Surge Protection (up to 24kV 12kA)

As well as onsite and laboratory testing we offer a wide range of other technical services, including:-

- Standards and DoC Reviews
- EuP/CE Consultancy
- Quality Audits & Inspections
- Technical File Construction
- Product Approval Marks
- International Certification
dB Technology
Cambridge
Tel: +44 (0)1954 251974
Fax: +44 (0)1954 251907
Email (main): mail@dbtechnology.co.uk
URL: www.dbtechnology.co.uk
Costs: On Application
Lead Times: 2 weeks - Variable

Company Profile

dB Technology is an established test site with 21 years standing situated on the outskirts of Cambridge; easily accessible from the M11 and A14.

We offer test, pre-test and consultancy services in: Electromagnetic Compatibility (EMC) – Worldwide, USA, European EMC Directive Radio – USA, European Radio and Telecommunications Terminal Equipment Directive (RTTE)

We are FCC listed and able to perform EMC and radio testing to Parts 15 & 18 of the US FCC CFR47 rules for intentional and unintentional radiators.

- Experienced members of staff are always on hand, and specialise in providing solutions to EMC problems and rapidly evaluating fixes.
- A workshop, tools and components are readily available during testing, enabling quick fixes to be made at the time of testing.
- As well as offering consultation inclusive in the cost of testing, we also offer pre-test EMC design and EMC project review consultancy services. This service is aimed at minimising costly re-testing, retro-fixes and project delays caused by inadequate EMC design.

We pride ourselves on our problem solving capacity and our flexible booking system. Re-arranged testing does not generally carry a charge nor are charges made for unused time should testing take less time than expected.

We aim to provide a cost-effective solution to all your EMC needs.

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dB Technology
Twenty Pence Test Site
Twenty Pence Road
Cottenham
Cambridge
CB24 8PS

Accounts/Postal Address:
dB Technology
23 Headington Drive
Cambridge
CB1 9HE
Tel: 01954 251974
Fax: 01954 251907

Accreditations
Others:
FCC Listed

Facilities
3 phase Capability
Screened Room
Semi-anechoic Chamber
3m OATS
10m OATS
Installations on Customer Site
Large Equipment:
Maximum size: H 2.4m W 2.3m L 3m
Maximum weight: 1 tonne

Testing Services
UKAS Accredited
Automotive
CE Compliance
Civil & Military Testing
Compliance Testing
EMC
FCC
FCC Listed
Military Testing
Mobile On-site
Pre-compliance EMC Testing
Radio Testing
Remedial EMC Work
R&TTE
Test Diagnosis Facilities

Testing Directory September 2012
Electromagnetic Testing Services Ltd

Dunmow
Essex

Tel: +44 (0)1371 856061
Fax: +44 (0)1371 856144
Email (main): info@etsemc.co.uk
URL: www.etsemc.co.uk

Other Emails: lesley@etsemc.co.uk

Costs: Vary on services required. Hourly and daily rates & contract discount charges apply.

Lead Times: Flexible - dependent on urgency and customer requirements.

Company Profile

ETS is an independent company, which is UKAS Accredited, with a team of experienced engineers providing a complete EMC testing and consultancy service to the high-tech electronics industry. We are conveniently located near Stansted Airport and the M11 on a two acre site in rural Essex, England.

Our fully experienced staff are able to deal with all EMC related problems and customers can benefit from our extensive trouble-shooting and remedial measures expertise. We aim to combine the highest standards of measurement and service in order to offer the most cost effective solution to EMC problems, and enable products to achieve compliance.

Our objective is to make initial and ongoing product compliance a cost effective and simple process. We work with our customers to deal with all aspects of compliance with EMC regulations and technical standards.

ETS has earned its enviable reputation in testing on the basis of our technical excellence. This has been complemented by providing high quality service, professional integrity and an approach which is always commercially based.

Support and advice is available from ETS that guide a client from initial assessment and consultancy at the beginning of a project right through to formal testing. Advice and solutions to any EMC problems are part of the package and included in our pricing policy.
**Company Profile**

**Military EMC Testing & Research** – UKAS Accredited to MIL STD 461 D, E & F; DEF STAN 59-411 and NATO AECTP-500. Testing a wide range of Military products over a broad range of standards. Now also using our Reverberation Chamber for research projects into shielding effectiveness of cables, transfer impedance of earthing braids, antenna design and radio frequency identification.

**Automotive EMC Testing** - Our Reverberation Chamber is capable of generating very high RF Field Strengths typically 200 V/m as required by the Automotive Standard. Whole Wiring Looms can be laid out on the large test area with double door access.

**Industrial & Domestic EMC Testing** – UKAS Accredited Facilities include an OATS with 3m & 10m ranges and two Anechoic Chambers with 3m range for Radio Frequency Immunity Testing. There are also areas for Electrostatic Discharge (ESD), Electrical Fast Transient (EFT), Surge and Mains Harmonics & Flicker Testing.

**Antenna Calibration** - UKAS Accredited Calibration of EMC Antennas from 30 MHz to 18 GHz, covering Biconical, Log Periodic, Bilog and Horn Antennas

**EMC Equipment Calibration** – UKAS Accredited Calibration facilities for Harmonics & Flicker to BS EN 61000-3-2 & 61000-3-3, LISN’s, EMC Receivers, EMC Impulse, Burst & Surge Generators & Spectrum Analysers including the full Quasi-peak Impulse Response, Intermodulation Product & Harmonic Distortion. In addition to calibration of the full range of RF, DC & LF equipment.

**Electrical Safety Testing** – ETC offer Electrical Safety Testing to European Standards for a wide variety of equipment. Please contact us for more details.
EMC Hire Ltd

Shefford
Beds

Tel: +44 (0)1462 817111
Fax: +44 (0)1462 819564
Email (main): info@emchire.co.uk
URL: www.emchire.co.uk

Company Profile

EMC Hire Ltd is a small well established company situated 50 miles north of London between the A1-M1 Link.

We are able to offer a range of facility testing with reports to cover:-

Chamber Field Uniformity Measurement

- Chamber Shielding Attenuation measurements are now a specialised undertaking of ours with MIL-STD-188-125 (swept measurement) and spot frequencies from 1kHz-40GHz
- Open Area Test Site Survey’s
- Health & Safety low frequency magnetic survey (5 Hz-2kHz) (or 400kHz)
- RF Electric Field Survey’s (10kHz-1.8GHz) or (20MHz-2.7GHz)
- Microwave Field Surveys (1GHz-18GHz)

We can also offer a model 5305 G-TEM for testing, the cell being available for transportation to customer’s site with or without test equipment & software. It can also be available in house and used on an hourly basis.

To discuss your testing requirements in more detail with technical staff please contact us for full details of the services which we offer.
EMC Test Club
Hatfield
Herts

Tel: +44 (0)1707 265898
Email (main): emc@mscom.co.uk
URL: www.emctestclub.com
www.mscom.co.uk
Other Emails: queries@emctestclub.com
Costs: From £51 per hour.
Lead Times: 5 days.

Company Profile

• OUR MISSION – to make quality EMC test facilities accessible to all design engineers, so they can incorporate EM compliance into their product at the earliest possible stage, when design changes are easiest and least expensive.

• We give you the tools to do the job – you can make radiated emissions tests to over 3GHz and immunity to over 4GHz, conducted emissions and immunity, burst & surge to over 4KV, ESD to 15KV, Voltage dips and drop-outs, harmonics & flicker, and 50/60Hz magnetic field immunity EMC measurements at the Club, as easily as using your own lab equipment.

• Professional Development - ‘hands-on’ testing helps you to learn more about your product, and EMC issues in general; knowledge to use now, and carry forward into your future.

• One and two day courses - review the basics of EMC history, directives, standards, and methods of testing, including ‘hands-on’ testing with the Club’s equipment. ‘Hands-on’ training takes place in the test rooms, not the classroom. You can use your own product for the ‘hands-on’ training sessions, thus combining training and testing!

• Club membership or ‘Pay-as-you-go’ can be ‘Gold’ or ‘Silver’ - ‘Silver’ covers all regular EMC tests up to a GHz, and up to 10V/m immunity field strength. ‘Gold’ extends immunity tests to 4.2GHz, and 30 V/m where appropriate, as well as emissions to over 3GHz.

• ‘Pay-as-you-go’ for only £495 per day (Silver) or £625 (Gold).

• Or join the Club, and test for only £51 per hour (Silver) or £59 per hour (Gold).

• We welcome you -if you would like to come in for a look around – give us a call or drop us an email to agree a date and time.
Hursley EMC Services Ltd

Eastleigh
Hants

Tel: +44 (0)23 8027 1111
Fax: +44 (0)23 8027 1144
Email (main): sales@hursley-emc.co.uk
URL: www.hursley-emc.co.uk

Costs:
Test Dependent

Lead Times:
Quick access to test laboratories

Company Profile

Hursley EMC Services Ltd is a fully independent EMC test laboratory with two 10m lined anechoic chambers and 3m, 10m & 30m open area test sites with a test capability up to 40GHz.

The company has invested heavily in test automation to reduce test times and improve repeatability.

Covering all commercial standards, the company is C-tick, FCC and VCCI listed with CAB status under the FCC scheme. It is also a Notified Body under the new EMC Directive. It offers routes to worldwide approvals and was the first UK laboratory to be accredited under the Nemko ELA scheme. Hursley EMC Services recently became accredited for Taiwan’s rigorous BSMI scheme and has set up local agents to offer a quick route into this difficult market. We are also now accredited for testing to the new EMC requirement for Vietnam.

On the military side, testing is accredited under UKAS for DEFSTAN 59-41 & 59-411, RTCA DO160 and MIL 461.

Hursley’s in-house RF survey team has a mobile unit which can work on any phase of construction from pre-start to completed works. The team specialises in ship, rail and industrial environments.
Company Profile

Kiwa Blackwood Compliance Laboratories is your professional partner to help navigate the world of testing, compliance and audit, and supports your ongoing quality and compliance initiatives.

As a close knit team we endeavour to understand your needs and look to share the long term benefits of a close working relationship with you.

We are accredited by UKAS to provide EMC, Safety and EMF testing and offer a range of valuable services to assist your business.

Kiwa Blackwood provides you with:-
- Compliance, developmental & quality assurance testing services
- Solutions at the point of test, often for no extra cost
- Cost-effective compliance solutions
- A report typically issued within three days of the completion of testing
- Knowledgeable staff with years of industry experience
- Assurance that your compliance programme is meticulous
- A helpful and responsive service tailored to your needs
- Support through the life of your products

At Kiwa Blackwood we strive to exceed your expectations.
EMCTLA Member

Accreditations
EMC CABs
UKAS Accredited No. 1105, Notified Body 0888.
Others:
Chrysler
FCC
FCC (CAB)
Ford
General Motors
Home Office Preferred Supplier
ISO 9001
ISO 17025
Jaguar/Landrover
NSAI (National Standards Association of Ireland)
NPIA Preferred Supplier
RDW
VCA
VSCC Taiwan

Facilities
Environmental Testing
Screened Room
Anechoic Chamber
Semi-anechoic Chamber
3m OATS
10m OATS
Large Equipment:
Maximum weight: 70 tonnes
Reverberation Chamber
Vibration Testing

Testing Services
UKAS Accredited
Acoustic Noise Testing ✓
Aerospace Testing
Anti-Theft (Automotive)
Automotive ✓

Notified Body for the Following Directives
89/106/EEC Construction Products
2004/108/EC EMC
98/37/EC Machinery
2000/14/EC Noise
1999/5/EC R&TTE

Company Profile
MIRA is a Centre of Excellence for EMC Testing and Consultancy
MIRA’s offers the most extensive suite of EMC solutions in the UK. Our ISO 17025 accredited EMC capability enables vehicle and component testing to be carried out 24 hours a day, guaranteeing clients a flexible and cost effective service. With a floor loading capacity of over 90 tonnes, MIRA's largest facility extends its EMC test services into the construction and heavy vehicle sectors.

Over 60 dedicated EMC engineers and technicians draw on their experience in the automotive, off-highway, agricultural, industrial, military, aerospace, emergency services and commercial electronics markets to offer test design and problem resolution solutions. MIRA’s experts are also actively involved in working groups including a number of BSI groups, UK representatives on a number of International Standards Organisation (ISO) groups, UK representative on the International Special Committee on Radio Interference (CISPR) as well as the Society of Motor Manufacturers and Traders (SMMT) EMC working groups.

MIRA is accredited by all of the major vehicle manufacturers and we are recognized throughout the world as a centre of excellence for EMC testing and consultancy.

Engineering Services
- EMC design advice and consultancy
- Computational electromagnetic simulations
- EMC problem resolution: route cause analysis, redesign and suppression
- Research programmes such as vehicle to vehicle communications
- EMC programme management

Test Services
- Full EMC test capability for all automotive and non automotive test requirements
- Emissions and audio interference evaluations
- Immunity analysis
- Transient monitoring
- ESD and power assessments

Full Service Supplier
Based at manufacturers' premises, MIRA engineers provide a full service for EMC sign-off, software evaluation and electrical systems integration.

Certification
MIRA is appointed by the UK, Ireland, Netherlands and Luxembourg automotive approval authorities as a technical service for EMC, and anti-theft legislation. MIRA is assessed by UKAS against the relevant directive requirements and appointed by the DTI as a European Notified Body for EMC, outdoor noise, machinery, R&TTE and construction products.
MS Testing is a leading independent UKAS accredited test facility that has earned a reputation over 10 years for providing industry leading turnaround times, flexibility, knowledge and quality of service to our clients worldwide. We provide a comprehensive range of EMC testing, Marine Type Approval testing, Environmental testing, IP testing and an EMC and Marine consultancy service.

EMCTLA Member
UKAS Accreditation no 4413
FCC Listed

We have recently moved to a prestigious new state of the art laboratory in County Durham in the north east of England with test stations which we believe are some of the most up to date EMC testing facilities in the UK helping to deliver the maximum possible levels of accuracy, efficiency and repeatability.

In addition to EMC testing we also offer climatic, vibration, shock, salt mist and IP testing. All under one roof.

We can accommodate larger products (2mx2m) with a weight in excess of 1 tonne. However if your product is too large to transport to the laboratory we can provide an on-site testing service, backed up with a notified body certificate.
Company Profile

The QinetiQ DEW & E3 Capability provides consultancy, design advice, product compliance and EM Security services including TEMPEST from its Farnborough facility. The group acts as a portal to the wider QinetiQ EMC Test and Evaluation capabilities. Services can be provided at customer or other third party sites. The E3 capability is complimented by a range of environmental test facilities enabling customers a “one stop shop” option.

The focussed areas of service include:

- Directed Energy Weapons Consultancy
  - Effects
  - Vulnerability
  - Risk assessment and analysis
  - Hardening of Infrastructure
- EMC and HIRF Testing
- EMP and Lightning
- EM Security including TEMPEST
- Training in EMC, HIRF and TEMPEST

In addition to a comprehensive UKAS schedule of accreditation to a wide range of military and commercial standards, QinetiQ DEW and E3 Capability also undertakes bespoke testing and other research projects to suit the specific needs of our customers in emerging technology areas.
When you need to be sure

EMCTLA Member

Accreditations

- EMC CABs
- UKAS Accredited. No. 1116
- Others: IECEE CB Scheme

Facilities

- 3 phase Capability
- Flame Testing
- Environmental Testing
- Screened Room
- Anechoic Chamber
- Semi-anechoic Chamber
- 3m OATS
- 10m OATS
- Installations on Customer Site
- Large Equipment - Maximum size: 2M(L)x2M(W)x2M(H)
- Maximum weight: 2 tonnes
- Vibration Testing

Testing Services

Acoustic Noise Testing (UKAS Accredited)
- Anti-Theft (Automotive)
- Automotive
- Cable Testing
- CE Compliance
- Civil & Military Testing
- Compliance Testing
- Compliance Worldwide
- EMC
- Environmental Surveys
- Environmental Testing
- FCC
- FCC Listed
- IECEE CB Test Report
- Low Voltage Directive
- Machinery Directive
- Mobile On-site
- Mobile Phone Testing
- Noise
- On-site Testing
- Pre-compliance EMC Testing
- Radio Testing
- Remedial EMC Work
- R&TTE
- Safety Testing (EU)
- Safety Testing (USA & Canada)
- Safety Testing (Other)
- SAR
- Short Range Device (SRD) Testing
- Test & Certification Labs Canada
- Test & Certification Labs UK
- Test & Certification Labs USA
- Test & Certification Labs (Other Foreign)
- Test Diagnosis Facilities
- USA Compliance
- VCA Approved Test House for EU Directive
- VCA (Technical Service for EU Directive 2006/28/EC)

Notified Body for the Following Directives

- 2006/28/EC Automotive
- 2004/108/EC EMC
- 2006/95/EC Low Voltage
- 98/37/EC Machinery
- 89/686/EEC Personal Protective Equipment (PPE)
- 97/23/EC Pressure Equipment
- 1999/5/EC R&TTE
- 88/378/EEC Safety of Toys
- Automotive Technical Service

SGS United Kingdom Limited
Durham & Cambridge

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Fax: +44 (0)191 377 2020
Email (main): ukenquiries@sgs.com
URL: www.uk.sgs.com
Other emails: zee.ellahi@sgs.com
Costs: Per project
Lead Times: Variable

Company Profile

SGS, the world’s leading inspection, test, and verification organisation, operates in over forty countries worldwide through a network of subsidiaries and laboratories.

Through our closely linked worldwide network of offices and laboratories SGS can provide assurance to both manufacturers and importers in the form of production, pre shipment and pre delivery inspections, Quality system certification, and Global trade solutions. In addition the group is able to carry out full product compliance testing, inspection and all associated activities required for consumer products, lighting, audio visual, commercial, IT, railway, radio frequency products, mobile phones, machinery and gas appliances.

As an accredited CBTL and UKAS test facility SGS United Kingdom offers fully equipped EMC, Radio Frequency (RF/Microwave), Electrical Safety, Environmental and Metrology testing facilities focused towards helping our customers develop safe, compliant products in the most time and cost efficient manner.

SGS Durham extends its R&TTE 1999/5/EC Notified Body Scope to include Mobile Phones.

This provides global handset manufacturers, module manufacturers and integrators access to a specialist and independent approval service allowing them to CE mark their products in confidence with the SGS Notified Body 0890. With the product CE marked and the Notified Body Opinion Certificate is granted, the products can be sold within the EU member states.

SGS Cambridge offers R&TTE, GCF and PTCRB certification testing for mobile handsets and terminal devices. The ranges of tests available include traditional radio and protocol, audio and SIM measurements. Application enablers such as Device Management, Short Message Service, Push to Talk, Email, Video telephony and browsing are also fully catered. Furthermore, SGS is the UK’s only fully accredited independent laboratory able to offer A-GPS and SUPL testing.

SGS Fimko and SGS CEBEC are National Certification Bodies under the IECEE CB Scheme offering access to the World’s largest export markets, including Europe, Middle East, Northern / Southern USA, Australia and the Far East.

SGS has the largest global EMC Network.

SGS offers hazardous substance testing according to growing environmental requirements throughout the world, including EU RoHS Directive, REACH, EUP and WEEE.
EMCTLA Member

Accreditations

- FCC Listed
- HALT
- HIRF Test System
- IECEC CB Test Report
- Lightning - Category 1-5
- Lightning Testing
- Low Voltage Directive
- Machinery Directive
- Materials & Component Analysis
- Microwave Testing
- Military Testing
- Mobile On-site
- Noise
- On-site Calibration
- On-site Testing
- Pre-compliance EMC Testing
- Radio Testing
- Railway Testing
- Remedial EMC Work
- R&TTE
- Safety Testing (EU)
- Safety Testing (USA & Canada)
- Safety Testing (Other)
- Shielding Tests
- Surge Testing
- Short Range Device (SRD Testing)
- Telecoms Compliance Testing
- Telecoms Pre-compliance Testing
- Telecoms Performance Testing
- Test & Certification Labs Canada
- Test & Certification Labs UK
- Test & Certification Labs USA
- Test & Certification Labs (Other Foreign)
- Test & Diagnosis Facilities
- USA Compliance
- VCA Approved Test House for EU Directive
- VCA (Technical Service for EU Directive 95/54/EC)
- VCCI
- Whole Vehicle EMC Test

Notified Body for the Following Directives

- 94/9/EC
- ATEX
- 2006/95/EC - Automotive
- 2004/108/EC - EMC
- 2006/95/EC - Low Voltage
- 98/37/EC - Machinery
- 2001/14/EC - Noise
- 1999/5/EC - R&TTE
- Automotive Technical Service

Company Profile

TRaC delivers unrivalled excellence in testing, validation and certification for global approvals.

Our comprehensive EMC services include pre-compliance & design assessments, market research, component validation, standards lobbying, approval strategies and consultancy to meet an exceptionally wide range of national and international EMC standards.

TRaC has the expertise in the fields of CE marking, defence and aerospace approvals. We are able to advise on how the requirements interface with one another, and we provide EMC testing to DEF STAN 59-411 & MIL STD 461, lightning and tempest testing.

TRaC can also provide combined services covering all aspects of EMC, ATEX, machinery, radio, telecoms, environmental, FEA and safety testing.

Costs:
Please ask for details.

Lead Times:
Flexible, to suit requirements.

Malvern
Wores

Tel: +44 (0)1684 571700
Fax: +44 (0)1684 571701
Email (main): test@tracglobal.com
URL: www.tracglobal.com
Testing Services  UKAS Accredited

Testing Services

Aerospace Testing
Anechoic Chamber Testing
Automotive
CE Compliance
Civil & Military Testing
Compliance Testing
Compliance Worldwide
Electromedical Devices
EMC
EMC & Tempest Testing
EMF
Environmental Surveys
Environmental Testing
FCC
FCC Listed
GSM
Halt
IECEE CB Test Report

EMCTLA Member

Accreditations

EMC CABS
UKAS Accredited. No. 0141 Group
Others:
  - FCB (Canada)
  - FCC
  - FCC TCB
  - Industry Canada
  - RFCAB (Japan)
  - VCA
  - VCCI

Facilities

3 phase Capability
Flame Testing
Environmental Testing
Screened Room
Anechoic Chamber
Semi-anechoic Chamber
Large Equipment:
  - Maximum size: 4m wide x 3m high
  - Maximum weight: 5 tonnes
Vibration Testing

Company Profile

At TÜV SÜD, we strive to provide you with expert, prompt advice and to guide you through your EMC testing programme so that you can meet your deadlines for getting your product to market. It all comes down to expertise, experience, and service with a personal touch, adding value to you, for all your EMC testing and consultancy services.

We understand the challenges you face in getting your product to market, ensuring that your product is compliant with all legal requirements and that your test reports get issued quickly, right first time, on time.

Resolving as many EMC issues as early as possible in the design stage, as well as understanding all the standards, laws and specific customer requirements applicable to your product is essential to your success. To help you we hold regular EMC training Courses to guide you through the EMC directive, design difficulties and compliance for Defence, Aerospace and Industrial equipment.

EMC Testing Services

Our test facilities throughout the UK are UKAS accredited and are among the most comprehensively equipped EMC facilities in Europe. We can provide you with:

- Conducted emissions and immunity testing from 10Hz to 400MHz
- Radiated emissions and immunity testing from 10Hz to 40GHz
- Power supply conditioning
- Transient and lightning simulation testing
- On-site EMC Testing
- Site Surveys

Our testing laboratory at Bearley, Warwickshire has recently undertaken significant investment and now provides extensive EMC and Safety testing services for the Midlands.

EMC Support

Our expert engineers will listen to you and understand your expectations before any services is delivered. We will advise you on:

- EMC regulatory issues
- Reducing the risk of costly non-compliances through good product design
- EMC test plans

Benefits of using TÜV SÜD Product Service for EMC testing:

- Competitive pricing
- Industry leading report turnaround times
- Unrivalled responsiveness and capacity
- Access to markets and industries around the world
EMCLA Member  
EMCTLA Member  

Accreditations  
UKAS Accredited. No. 1574  
Others:  
- FCC Listed  
- VCCI  
- Link Up  

Facilities  
- 3 phase Capability  
- Environmental Testing  
- Screened Room  
- Anechoic Chamber  
- Semi-anechoic Chamber  
- 3m OATS  
- 10m OATS  
- Installations on Customer Site  
- Large Equipment:  
  - Maximum size: 2mx2mx2m (approx.)  
  - Maximum weight: 1.5 tonne  
- Reverberation Chamber  

Testing Services  
- UKAS Accredited  
- Acoustic Noise Testing  
- Anechoic Chamber Testing  
- Cable Testing  
- CE Compliance  
- Civil & Military Testing  
- Compliance Testing  
- Compliance Worldwide  
- Electromedical Devices  
- EMC  

EMC Engineering & Consultancy  
EMC Modelling, Software Validation  
EMF  
Environmental Surveys  
Environmental Testing  
FCC  
FCC Listed  
Flicker Calibration  
GTEM Testing  
Harmonics Calibration  
Low Voltage Directive  
Microwave Testing  
Mobile On-site  
Noise  
On-site Testing  
Pre-compliance EMC Testing  
Radio Testing  
Railway Testing  
Remedial EMC Work  
R&TTE  
Safety Testing (EU)  
Shielding Tests  
Short Range Device (SRD)  
Testing  
Surge Testing  
Telecoms - Compliance Testing  
Telecoms - Pre-compliance Testing  
Telecoms - Performance Testing  
Test & Certification Labs UK  
Test Diagnosis Facilities  
USA Compliance  
VCCI  

Notified Body for the Following Directives  
2004/108/EC  
EMC  

Company Profile  

York EMC Services (YES) is a leading, independent, provider of products and services that enable customers to get their products to market in the quickest and most cost-effective manner.  

YES operates 3 UKAS accredited laboratories, located in Dalgety Bay, Fife; Castleford, West Yorkshire and Yate, South Gloucestershire; providing easy access to manufacturers throughout the UK.  

We offer accredited EMC and electrical safety testing as well telecoms, EMF and acoustic measurements. Feedback from our customers consistently places a great emphasis on the value of the service, the help and the assistance that they receive from us.  

In addition to laboratory testing, we also undertake the testing of large equipment on-site as well as electromagnetic site surveys in a wide range of locations. We have recently carried out railway on-site testing projects in South Africa and Australia as well as many in the UK. YES has a dedicated railway test team that holds all the necessary permits to work on Network Rail and London Underground infrastructure.  

YES has been providing Continuing Professional Development (CPD) for over 20 years using industry experts from both within the company and the University of York and our CPD portfolio remains one of the most extensive in the UK. We are an iNARTE approved training provider.  

The extensive expertise behind our consultancy services enables us to provide everything from a one-to-one session on product design through to managing the EMC for major infrastructure projects.
EMC & Compliance

Test Equipment

Sponsored by the
The EMC Journal

This document contains comprehensive information on major Manufacturers and Suppliers of EMC Test Equipment in the UK. All the information was supplied by the companies listed in response to a questionnaire. We have then packaged it into, what we hope, is a useful source of information, particularly when you are seeking a particular product.

Simply use the Quick Contact Finder below and the Product Finder on pages 29 to 32. More information on Test Equipment and masses of other EMC Compliance matters, including the Compliance Club can be found on our web site www.theemcjurnal.com

Front Cover Pictures
Top Left: Aspen Electronics, page 35
Top Right: Rainford EMC Systems, page 46
Middle Left: Link Microtek, page 41
Bottom Left: PPM, page 45
Bottom Right: Telonic Instruments, page 49

Every effort has been made to ensure that the information given in this publication is accurate, but no legal responsibility is accepted for any errors, omissions or misleading statements in that information caused by negligence or otherwise, and no responsibility is accepted in regard to the standing of any firms, companies or individuals mentioned or for any advice or information given by them.

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Email: pam@nutwooduk.co.uk  Web: www.theemcjurnal.com
Secretariat: EMCIA - EMC Industry Association Email: emcia@emcia.org  Web: www.emcia.org

Quick Contact Finder

<table>
<thead>
<tr>
<th>Company</th>
<th>Email</th>
<th>Telephone Number</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agilent Technologies UK Ltd</td>
<td><a href="mailto:contactcenter_uk@agilent.com">contactcenter_uk@agilent.com</a></td>
<td>+44 (0)118 927 6201</td>
<td>33</td>
</tr>
<tr>
<td>AR UK Ltd</td>
<td><a href="mailto:thague@arworld.us">thague@arworld.us</a></td>
<td>+44 (0)1908 282766</td>
<td>34</td>
</tr>
<tr>
<td>Aspen Electronics Ltd</td>
<td><a href="mailto:howard.venning@aspen-electronics.com">howard.venning@aspen-electronics.com</a></td>
<td>+44 (0)20 8868 1311</td>
<td>35</td>
</tr>
<tr>
<td>DM Systems and Test Ltd</td>
<td><a href="mailto:info@dplusm.co.uk">info@dplusm.co.uk</a></td>
<td>See website</td>
<td>36</td>
</tr>
<tr>
<td>EMC Hire Ltd</td>
<td><a href="mailto:info@emchire.co.uk">info@emchire.co.uk</a></td>
<td>+44 (0)1462 817111</td>
<td>37&amp;IBC</td>
</tr>
<tr>
<td>EMC Partner UK Ltd</td>
<td><a href="mailto:sales@emcpartner.co.uk">sales@emcpartner.co.uk</a></td>
<td>+44 (0)1494 444255</td>
<td>38&amp;OBC</td>
</tr>
<tr>
<td>HTT (UK) Ltd</td>
<td><a href="mailto:sales@httuk.co.uk">sales@httuk.co.uk</a></td>
<td>+44 (0)1462 486866</td>
<td>39</td>
</tr>
<tr>
<td>Laplace Instruments Ltd</td>
<td><a href="mailto:tech@laplace.co.uk">tech@laplace.co.uk</a></td>
<td>+44 (0)1692 402070</td>
<td>40</td>
</tr>
<tr>
<td>Link Microtek Ltd</td>
<td><a href="mailto:sales@linkmicrotek.com">sales@linkmicrotek.com</a></td>
<td>+44 (0)1256 355771</td>
<td>41</td>
</tr>
<tr>
<td>MDL Technologies Ltd</td>
<td><a href="mailto:mlucock@mdlttechnologies.co.uk">mlucock@mdlttechnologies.co.uk</a></td>
<td>+44 (0)1462 431981</td>
<td>42</td>
</tr>
<tr>
<td>MILMEGA Ltd</td>
<td><a href="mailto:sales@milmega.co.uk">sales@milmega.co.uk</a></td>
<td>+44 (0)1983 618004</td>
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</tr>
<tr>
<td>Panashield UK Ltd</td>
<td><a href="mailto:sales@panashield.co.uk">sales@panashield.co.uk</a></td>
<td>+44 (0)1483 722020</td>
<td>44</td>
</tr>
<tr>
<td>PPM (Pulse Power &amp; Measurement) Ltd</td>
<td><a href="mailto:psurman@ppm.co.uk">psurman@ppm.co.uk</a></td>
<td>+44 (0)1793 784389</td>
<td>45</td>
</tr>
<tr>
<td>Rainford EMC Systems</td>
<td><a href="mailto:sales@rainfordemc.com">sales@rainfordemc.com</a></td>
<td>+44 (0)1942 296190</td>
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<tr>
<td>Richard Marshall Limited</td>
<td><a href="mailto:richard.marshall@ieee.org">richard.marshall@ieee.org</a></td>
<td>+44 (0)1582 460815</td>
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<tr>
<td>Rohde &amp; Schwarz</td>
<td><a href="mailto:contact.uk@rohde-schwarz.com">contact.uk@rohde-schwarz.com</a></td>
<td>+44 (0)1252 818888</td>
<td>48&amp;IFC</td>
</tr>
<tr>
<td>Telonic Instruments Ltd</td>
<td><a href="mailto:info@telonic.co.uk">info@telonic.co.uk</a></td>
<td>+44 (0)118 978 6911</td>
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<tr>
<td>Teseq</td>
<td><a href="mailto:uksales@teseq.com">uksales@teseq.com</a></td>
<td>+44 (0)845 074 0660</td>
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<td>TMD Technologies Ltd</td>
<td><a href="mailto:wecare@tmd.co.uk">wecare@tmd.co.uk</a></td>
<td>+44 (0)20 8573 5555</td>
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<tr>
<td>York EMC Services Ltd</td>
<td><a href="mailto:enquiry@yorkemc.co.uk">enquiry@yorkemc.co.uk</a></td>
<td>+44 (0)1904 324440</td>
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</table>
Quick Test Equipment Finder

To find the type of equipment you require, select from the headings listed in red. Under these headings are the companies providing this equipment. You can then simply turn to page 28 for relevant company page numbers and contact details.

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<th>Absorption Clamps</th>
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<td>Anechoic Chamber (3m &amp; 10m) Radiated Emission Testing to EN50147-2, EN55022)</td>
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<td>Rohde &amp; Schwarz</td>
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All this information was supplied by the companies

Testing Directory September 2012
EMC Testing: Courses & Workshops

Rohde & Schwarz

EMC Turnkey Solutions

AR (UK)
DM Systems & Test
Laplace Instruments
MDL Technologies
PPM
Rainford EMC Systems
Rohde & Schwarz
Teseq

Emission Test Systems

Agilent Technologies UK
AR (UK)
EMC Hire
Laplace Instruments
MDL Technologies
PPM
Rohde & Schwarz
Teseq

Voltage Testers

PPM
Rohde & Schwarz
Teseq

EMC Hire

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Generators - ESD

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Generators - Surge

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Generators - Function

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Generators - Function & Arbitrary

Telonic Instruments

Generators - Harmonic & Flicker

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Generators - High Voltage Pulse

Telonic Instruments

Harmonic Analysers

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Harmonics & Flicker Tests

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Harmonics & Flicker

Telonic Instruments

EMC Hire

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Hire

EMC Hire

EMC Partner UK
Telonic Instruments

Immunity Clamps

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Impedance Simulation Networks (ISNs)

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Teseq

Rohde & Schwarz

Telonic Instruments

Teseq

Generators - Signal

Agilent Technologies UK
AR (UK)
Aspen Electronics
DM Systems & Test
EMC Hire
EMC Partner UK
HTT (UK)
Laplace Instruments
MDL Technologies
Teseq

Rainford EMC Systems

EMC Hire

AR (UK)
EMC Hire
EMC Partner UK
HTT (UK)
Laplace Instruments
MDL Technologies
Rohde & Schwarz
Teseq
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Testing Directory September 2012

RF Testing
- Aspen Electronics
- DM Systems & Test
- EMC Hire
- MDL Technologies
- Panashield UK
- Rainford EMC Systems

Screened Rooms
- AR (UK)
- DM Systems & Test
- EMC Partner UK
- MDL Technologies
- Panashield UK
- Rainford EMC Systems

Software
- Agilent Technologies UK
- EMC Hire
- Rohde & Schwarz
- Teseq

Software - Analysing
- EMC Hire
- Rohde & Schwarz

Software - Antenna Pattern
Measurement
- MDL Technologies
- Rohde & Schwarz

Software - Automotive EMC Test
- AR (UK)
- EMC Hire
- EMC Partner UK
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - Conducted Emission
- AR (UK)
- EMC Hire
- EMC Partner UK
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - Conducted Immunity
- AR (UK)
- EMC Hire
- EMC Partner UK
- HTT (UK)
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - Conducted RF Immunity
- AR (UK)
- EMC Hire
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - EMI Modelling & Simulation (Cable Systems)
- AR (UK)

Software - EMI Modelling & Simulation (PCB)
- Agilent Technologies UK
- AR (UK)

Software - Harmonics & Flicker
Measurement
- Laplace Instruments
- Teseq

Software - IEC 1000-4-4/5
- Teseq

Software - Immunity Field
Calibration
- EMC Hire
- Teseq

Software - Military EMC Test
- EMC Hire
- Rohde & Schwarz
- Teseq

Software - Radiated Emission
- AR (UK)
- EMC Hire
- Laplace Instruments
- Link Microtek
- Rohde & Schwarz
- Teseq

Software Radiated Immunity
- AR (UK)
- EMC Hire
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - Radiated RF Immunity
- EM Hire
- Laplace Instruments
- Rohde & Schwarz
- Teseq

Software - Remote
- Rohde & Schwarz

Software - Reverberation Chamber Control & Measurement of Immunity Emissions
- MDL Technologies
- Rainford EMC Systems
- Rohde & Schwarz
- Teseq

Software - Site Attenuation
Calibration
- EM Hire
- Rohde & Schwarz
- Teseq

Software - Visualization
- Rohde & Schwarz
- Sound Level Meters
- Teseq

Spectrum Analysers
- Agilent Technologies UK
- AR (UK)
- Aspen Electronics
- DM Systems & Test
- EMC Hire
- Link Microtek
- PPM
- Rohde & Schwarz
- Telonic Instruments

Spectrum Analysers PC
Controlled
- Agilent Technologies UK
- Aspen Electronics
- EMC Hire
- Laplace Instruments
- PPM
- Rohde & Schwarz

Surge & Dips
- AR (UK)
- EMC Hire
- EMC Partner UK
- HTT (UK)
- Telonic Instruments
- Teseq

Surge Checker
- EMC Hire

TEM Cells
- AR (UK)

Software - Transient Measuring Devices

Software - Temperature & Frequency Analysis
- Aspens Electronics
- Rohde & Schwarz

Software - Visualisation

Software - Waveform Generations
- Telonic Instruments

Test Equipment
- Agilent Technologies UK
- Aspens Electronics
- DM Systems & Test
- Laplace Instruments
- MDL Technologies
- MILMEGA
- PPM
- Rohde & Schwarz
- Telonic Instruments

Test Set-up Verification & Validation
- Teseq
- York EMC Services

Test Table
- EMC Hire
- Rainford EMC Systems

Turntables
- AR (UK)
- EMC Hire
- EMC Partner UK
- MDL Technologies
- Rainford EMC Systems
- Rohde & Schwarz

Turntables (PC)
- Agilent Technologies UK
- AR (UK)

TEM Cells
- AR (UK)

Test Cells (Wireless Device)
- Aspen Electronics

Test Equipment
- Agilent Technologies UK
- Aspens Electronics
- DM Systems & Test
- Laplace Instruments
- MDL Technologies
- MILMEGA
- PPM
- Rohde & Schwarz
- Telonic Instruments
- York EMC Services
Agilent Technologies UK Ltd

Winnersh
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Email (main): contactcenter_uk@agilent.com
URL: www.agilent.co.uk

Company Profile

Agilent Technologies is the world’s premier measurement company, and a technology leader in communications, electronics, life sciences and chemical analysis.

From pre-compliance measurements and EMC diagnostic evaluation of your breadboard design to full compliance testing of your completed product Agilent has the solution for all your measurement requirements. Agilent’s wide portfolio of test equipment includes; RF and Microwave Signal Generators, Power Meters, Oscilloscopes, Network Analysers, can be used for a number of calibration and measurement tasks, such as Immunity signal sources, site attenuation, shielding effectiveness etc.

If you are creating new labs or enhancing existing facilities, Agilent solution partners can provide turnkey solutions, including equipment, accessories, training, installation and support all through a single point of contact.

When you’re testing a new product, the designers are counting on your expertise and advice. That’s why the Agilent MXE is more than a CISPR-compliant EMI receiver—we’ve also included X-Series signal analysis and graphical measurement tools that make it easy to examine signal details. With these diagnostic capabilities, the MXE complements your knowledge and helps you advise the designers if a device fails compliance testing. Equip your lab with the MXE— and express your insight.

The identical EMC measurement application is also available for any X-Series signal analyzer, enabling quick informative EMI pre-compliance measurements during product development.
AR (UK) Ltd

Milton Keynes

Bucks

Tel: +44 (0)1908 282766
Fax: +44 (0)1908 288249
Email (main): thague@arworld.us
URL: www.aruk ltd.co.uk

Other emails: aruksales@arworld.us

Company Profile

AR UK Ltd specialise in the supply of test equipment and turnkey systems for a wide range of applications and markets. These include:

EMC - Instrumentation ranging from ESD simulators to fully compliant turnkey EMC facilities for Commercial, Military, Aerospace and Automotive.

RF & MICROWAVE - Instrumentation, accessories and components for Wireless & Satellite Communications, EMC, Medical & Scientific Research, Defence & Aerospace and Radiation Hazards Monitoring

POWER ELECTRONICS - From general purpose AC & DC power sources to high power DC Processing Systems for many test and research applications including: Renewable Energy, Photovoltaic, HEV components and Battery Cycling

ELECTRICAL SAFETY - Instruments ranging from manual testers to automated multi-function analysers for Hipot (Flash), Insulation Resistance, Ground Bond, Run and Line Leakage tests. Suitable for production line and laboratory type approval applications.

LIGHTNING & EMP SIMULATORS – Instruments from Montena and Gerac for MIL STD 461F, CS114, CS115, CS116, RS105, MIL STD 188-125 (PCI) and Lightning to DO160G Sections 16, 17, 19 and 22.

RF SHIELDING - We supply and install a wide range of RF shielded enclosures, anechoic & reverberation chambers for such applications as: EMC, Wireless, RF & Microwave, Medical, Defense, Health & Safety and industrial. We also provide maintenance, relocation of existing facilities and shielding effectiveness testing.

TEST & MEASUREMENT - To compliment our range of specialist instrumentation we also offer general test and measurement equipment including oscilloscopes, DMM’s, power supplies and fibre optic links and bus extenders.
Aspen Electronics Ltd

Ruislip
Middx

Tel: +44 (0)20 8868 1311
Fax: +44 (0)20 8866 6596
Email (main): howard.venning@aspen-electronics.com
URL: www.aspen-electronics.com

Company Profile

Aspen Electronics Ltd supply test equipment from some of the world’s leading manufacturers.

As Agilent Technologies UK Premium Partner, Aspen stocks and supplies Oscilloscopes, Power Supplies, Waveform Generators, Spectrum Analysers and Frequency Counters as well as a full range of hand held test equipment plus the Agilent range of RF & Microwave test accessories / components.

As UK representative for Bird Technologies since 1974, Aspen are able to supply all of Bird’s RF power measurement and control product, plus provide UK based calibration and repair.

From the Wireless Telecom group, the Boonton range of Microwave Power Meters and Analysers. Plus, from Noisecom, a full range of RF & Microwave Noise Sources, from diodes to complete measurement systems.

The Spectracom group of products includes the Pendulum Instruments range of Frequency Counters / Analysers plus GPS Simulators. Plus, the Spectracom range of precision timing products.

From Chroma we supply a full range of AC Programmable Power Supplies.

Lastly, the GW Instek range of Spectrum Analysers, Oscilloscopes, DC Power Supplies, Multimeters and Electrical Safety Testers offers customers the best value for money in test instrumentation.

In addition we are able to supply a vast range of test accessories from our RF & Microwave components suppliers.
DM Systems and Test Ltd
Letchworth
Herts

Tel: 01462 650620
Fax: 01462 650622
Email (main): info@dplusm.co.uk
URL: www.dplusm.co.uk
Other emails: chris.augier@dplusm.co.uk
mick.keryell@dplusm.co.uk

Company Profile

DM Systems and Test Ltd are a wholly independent UK company representing several market leading manufacturers within the EMC and Secure Communications industries.

- **Instruments for Industry (IFI)** - Solid state, valve and TWT amplifiers. DC-40 GHz up to 50 kW.
- **Solar** - Extensive range of EMC test equipment from generators through LISN’s to current clamps.
- **Select Fabricators** – Portable RF/EMI enclosures, RoHS Compliant, -78 dB average 150 kHz to 18 GHz, Higher rejection available on request.
- **Schomandl** – Analogue and Digital Antenna Measurement Instruments.
- **Versitron** - Fibre optic modems, Media Converters, Transceivers, Isolators and Ethernet Switches.

We support all of our principal’s products within the UK, but our extensive technical abilities enable us to support similar products from other manufacturers, for example: Our specialist RF expertise, particularly at high power levels, enables us to repair and maintain amplifiers from various manufacturers including: *Kalmus, Logimetrics, AR and Helmut Bonn.*

Additionally, to minimise down time and inconvenience, DM Systems and Test provide fast calibration/repair turnaround together with comprehensive on-site services.

Our combination of extensive knowledge and experience enables our **Secure Military Laboratory** to provide fast, low cost and effective solutions DM Systems and Test are a customer focused company and therefore each service is tailored to individual requirements encompassing supply and comprehensive in country support.
EMC Hire Ltd
Shefford
Beds

Tel: +44 (0)1462 817111
Fax: +44 (0)1462 819564
Email (main): info@emchire.co.uk
URL: www.emchire.co.uk
Other emails: john@emchire.co.uk anthea@emchire.co.uk

Company Profile

A small but very well established company specialising not only in a vast range of individual EMC items for rental but in supplying bespoke systems with units tailored to customers exact requirements. These may be automated with our software developed in-house using configured laptops ready to switch on and run. Engineer visits can also accompany the hire delivery to set up systems and advise on testing method.

This year has seen further investment in the area of conducted immunity starting with EMC Partner’s MIG0603-1N3 surge generator with their CDN2000-06-25 and CDN-Kit-2000. New LF Amplifiers from PRANA and E&I covering from 10kHz-400MHz.

CHAMBER SHIELDING ATTENUATION measurement is now a specialised undertaking for us using MIL-STD-188-125 (swept)as a typical specification. This can cover 1kHz through 40GHz. Other chamber evaluations such 61000-4-3 and Free space NSA are also performed using the NPL developed (RSM) “Reference site method”.

EMC Hire Ltd
Unit 1 Ivel Road
Shefford
Beds
SG17 5JU

All this information was supplied by the companies
EMC Partner (UK) Limited was formed in 1994 to provide high performance solutions to the UK EMC industry.

EMC Partner (UK) Limited is a founding member of the EMC Industry Association

EMC Partner (UK) Limited are the authorised UK representative and hold distributorships with the following companies to provide cost effective turnkey solutions:

EMC Partner Ag – our parent Company - are based in Switzerland. Provide: Transients, Harmonics, ESD Pistols, Immunity and Emissions Generators; Aircraft Lightning Systems in accordance with DO-160E, MIL461E and Component Test Equipment.

AFJ International s.r.l. –AFJ supply EMI Receivers, LISNs, Click Analysers, Near Field Probe Sets, Isotropic probes.

Frankonia GmbH – Provide: Anechoic Chambers, 3m, 10m, ERP, CTIA, MIL and Automotive solutions. Frankosorb Non-combustible absorber.

Schwarzbeck Mess Elektronik – Provide: specialist EMC equipment, mainly antennas, masts, tripods, cables, attenuators, LISNs, Pulse Generators; they also can provide a service for customers for items to be made to order if required.
**Company Profile**

Founded in 1995 as the UK sales office of Haefely Trench (today Haefely Test AG), HTT has evolved into an independent company representing European manufacturers and distributing their products in the UK. Our partners are technology leaders in their specialist areas, selected on the basis of the quality and reliability of their products.

Haefely EMC is a reputed manufacturer of conducted immunity systems finding their application in CE marking, Telecom testing, Component testing, Railways applications, etc. The range also comprises dips/interrupt simulators as well as harmonics & flicker analysis systems. Haefely is also a renown manufacturer of NEMP systems and have delivered complete systems with charging voltage levels in excess of 600 kV. For more information regarding news and products please visit the Haefely EMC website: [http://www.haefelyemc.com/](http://www.haefelyemc.com/)

This line of systems is complemented by specialized systems for military applications such as electromagnetic shielding meters, field measuring probes, filters and application specific solutions engineered by Thales DIS.

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<td><strong>Fax:</strong> +44 (0)1462 486054</td>
<td><strong>Email (main):</strong> <a href="mailto:sales@httuk.co.uk">sales@httuk.co.uk</a></td>
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Company Profile

Laplace is a supplier of EMC test and measurement equipment to the global market. We specialise in both emissions measurement and RF immunity testing. What characterises our range can be summed up in the phrase ‘pragmatic solutions at affordable prices’. Our systems are fully integrated, serial and USB interfaced to standard PCs and include software compatible with Windows OS.

A primary consideration is overall accuracy. Given that most emission measurement errors are due to (a) ambient noise and (b) lack of test site calibration, our systems are unique in that as standard they provide effective solutions to both issues.

Immunity testing is based on the LaplaCell compact test cell and associated immunity test ancillaries including power amplifiers and synthesisers. These cells are available in two sizes with EUT volumes of 30cm cube and 60cm cube. They are calibrated for both immunity testing and radiated emissions measurements over the full range 30MHz – 3GHz. Use of the cell for emissions measurement avoids the problems associated with high ambients and lack of test site calibration.

Use of these integrated systems by our customers worldwide has proved that the system can provide accurate measurements for compliance tests and is a convenient tool for both pre-compliance and product development work.
Company Profile

Link Microtek is a manufacturer and supplier of electronic hardware specialising in Radio Frequency (RF), Microwave and Infra Red (IR) technology. We supply to the Defence, Telecoms, Aerospace and Security markets - components, assemblies, systems and instrumentation.

Link Microtek designs and produces Microwave and RF components, assemblies and sub-systems and IR Communications Systems (Azdec brand). Link Microtek as partner with Emisens is a supplier of chemical and liquid discriminator / detection systems. Link Microtek is a supplier (representative, distributor, stockist) of RF and microwave products and UK’s leading provider of non-ionising RF safety instrumentation products.

Link Microtek has BS EN ISO9001:2000 accreditation, is a member of the UK’s aerospace, defence, and security manufacturers trade association (ADS) and is a member of the SC21 Aerospace & Defence programme.
MDL Technologies

Letchworth
Herts

Tel: +44 (0)1462 431981
Fax: +44 (0)560 3152515
Email: mlucock@mdltechnologies.co.uk
URL: www.mdltechnologies.co.uk

Company Profile

MDL Technologies Limited is an independent company representing a number of leading global manufacturers distributing electronic test equipment and facilities across the UK and Ireland. We provide specialist sales, consultancy, calibration & systems capability along with project management, installation and RF testing of shielded rooms and anechoic chambers.

Manufacturers:
ETS-Lindgren is renowned worldwide for EMC, RFI and EMI test solutions. With over 750 employees worldwide they manufacture a wide range of RF shielded enclosures, anechoic chambers, RF filters, Absorber, Antennas, Field Probes, GTEM’s, Positioners & Wireless / EMC Test Systems, for industrial, government, defence and medical applications.

MILMEGA is a leading specialist in the design & manufacture of RF / Microwave Solid State Broad Band Amplifiers. Based in the UK the modular architecture amplifiers provide impressive broadband frequency and power coverage for EMC applications from 80MHz to 6GHz.

Chroma ATE Inc. is a world leader in the electronic test and measurement industry providing test solutions amongst others for Power Supply, Battery & Electrical Safety Testing in the Automotive and Aerospace industries.

EMSCAN is a world leading developer of Fast Magnetic Very-Near-Field measurement tools providing real-time lab bench systems that are efficient and cost-effective, and eliminate the need for large test facilities. They also offer accelerated time-to-market to liberate both PCB Engineers, Antenna Designers, and Wireless Engineers.

Distributor
Principals Represented:
ETS-Lindgren
MILMEGA
Chroma ATE, Inc.

Test Equipment Manufactured or Supplied
A.C. Power Supplies
Active Antennas
Anechoic Chambers
Anechoic Chambers (IEC 61000-4-3 Compliant)
Anechoic Chamber (3m & 10m Radiated Emission Testing to CISPR-16, EN50147-2, EN55022)
Antennas – Active Dipole
Antennas – Antenna Design
Antennas – Biconical
Antennas – Bilog
Antennas – Broadband
Antennas – Calibration
Antennas – Horn
Antennas – Log Periodic
Antennas – Loops
Antennas – Masts
Antennas – Microwave
Antennas – Radiation Hazard
Antennas – Rods & Whips
Antennas – Telecommunication
Antennas – Test & Measurement
Antennas – Tunable Dipole
Antennas – Ultralog
ATE Systems
CDN’s
Common-mode Attenuation Devices
Component Test Equipment
Conducted & Radiated Test Equipment
Current Clamps
D.C. Power Supplies
Dielectric Test Systems
Earth Bond Testers
EFT
Electrical Safety
Electrical Safety Testers
Electronic Loads
Electronic Loads AC and DC
EM Clamp
EMC Test Systems
EMC Turnkey Solutions
Emission Test Systems
Fibre Optic
Flash Testers
Flicker
G-TEM Cells
Generators - Harmonic & Flicker
Generators – Mains Dips & Interrupts
Generators – Magnetic Field Test
Generators – Power Sweep
Generators – RFI (IEC61000-4-3)
Generators – Signal
Generators – Surge
Generators – Transient/Burst
Harmonic Analysers
Immunity Clamps
Impedance Simulation Networks (ISNs)
Insulation Meters
LCR Bridges
Leakage Current Testers
Leasing & Rental
Line Impedance Stabilisation Networks (LISNS)
Load Banks
Magnetic Immunity Test Set
Mast Controller
Multi-stage Filters for Screened Rooms
Near Field Probes
Power Amplifiers
Power analysers
Probes – Current
Probes – E & H Field
Probes – Injection &BCI
Probes – Isotropic
Probes – Magnetic Field
Probes – Radiation Hazard
Probes – RF
Programmable Loads
Programmable Power Supplies
Receivers – EMC
Receivers – EMI
Receivers - EMF
Repair & Calibration
Reverberation chambers
RF CCTV Systems
RF Filters
RF Over Fibre
RF Safety Instrumentation
RF Testing
Screened Rooms
Software - Antenna Pattern Measurement
Software - Reverberation Chamber Control & Measurement of Immunity Emissions
TEM Cells
Test Cells
Test Equipment
Turntables

MDL Technologies
Unit 11, Devonshire Business Centre
Works Road
Letchworth
Herts
SG6 1GJ
This year MILMEGA is proud to announce that it has been awarded a Queen’s Award for Enterprise in Innovation for the design & development of the 80MHz to 1GHz range of amplifiers using gallium nitride-based transistors.

To win the Award, MILMEGA was required to demonstrate continuous innovation and development over a period of five years resulting in substantial improvement in the performance of the Company. In addition the Award is only made to organisations that can demonstrate a high level of corporate responsibility.

The range of UHF amplifiers are available with P1dB output power levels of 175W, 250W, 500W and 1kW (see figure 1 below).

The inherent reflected-power tolerance of Gallium Nitride makes this amplifier range particularly suited to testing scenarios where high levels of reflected power are likely, for instance in the EMC test industry (RF immunity testing) and in the production test of high power RF components.

In keeping with the Company’s CSA topology, the UHF range is upgradeable and compact in size and weight and the range is portable up to 1000 watts.

This portability allows test stations and sites to share the equipment with significant cost savings over fixed equipment solutions.

80RF1000-1000, showing one of the 250W removable sections, which can be utilised independently.

Company Profile

MILMEGA is a leading specialist in the design and manufacture of solid state, high-power RF and microwave amplifiers.

The MILMEGA products range in frequency from 80 MHz to 6 GHz, with power levels from 30 Watts to 1 kilowatt.

Strengths
- Octave band coverage
- Upgradeable modular design
- 1st Class product support
- Highest power density in the industry
- Amplifiers withstand full reflected power indefinitely
Panashield UK Ltd

Woking
Surrey

Tel: +44 (0)1483 722020
Fax: +44 (0)1483 770330
Email (main): sales@panashield.co.uk
URL: www.panashield.co.uk

Company Profile

Panashield is a leading designer and supplier of high performance RF/ Shielded (Screened) Rooms, EMC Anechoic Chambers and associated products and services. The company provides to the industrial electronic/ aerospace markets and also military/ government agencies.

Products

Turnkey Anechoic Chambers incorporate the following:
- Chamber design
- Modular shielded structure
- Ferrite absorber panels
- Hybrid absorber for operation up 40 GHz
- Raised ground plane floor
- Turntables
- Antenna masts
- RF shield test
- Anechoic Chamber measurements (NSA, FU and Svswr)

Panabolt Modular Shielded (Screened) Rooms
The Panabolt shielded room design is a well-proven modular panel construction system, which can be easily dismantled and relocated. The shielded room includes doors, filters, waveguide air vents etc. as required to meet each customer’s requirements.

Shielding panels are rigid, solid core type, suitable for the attachment of various types of absorber materials and electrical fittings.

Reverberation Chambers
These chambers comprise a Panabolt modular RF shielded structure in which either a single or two (vertical and horizontal) stirrers are installed depending on the customer requirements.

The inner skin of the chamber shielding may be either galvanised steel, Aluminium or copper.

Ferrite Absorber
Ferrite tile absorbers provide high performance and are pre-installed on dielectric panels for a straightforward, efficient installation.

Hybrid Absorber
To extend the frequency range of EMC chambers up to 18 GHz/ 40 GHz, Panashield provides their state of the art high performance, non-flammable, white hybrid absorber. This material has many advantages over conventional carbon loaded foam absorber.
PPM (Pulse Power & Measurement) Ltd
Swindon
Wilts
Tel: +44 (0)1793 784389
Fax: +44 (0)1793 784391
Email (main): psurman@ppm.co.uk
URL: www.ppm.co.uk

Company Profile

PPM is the leading supplier of fibre optic link systems to the EMC test market in the UK and around the world. PPM also distributes specialist power supplies, probes, sensors and other components used in EMC test applications.

PPM Test & Instrumentation – www.point2point.co.uk
The test and instrumentation division of PPM designs and manufactures two ranges of fibre optic links, point2point and Sentinel. These systems are designed for carrying RF signals in the presence of intense electrical fields while maintaining signal integrity.

point2point is the ideal solution to a wide variety of data acquisition applications in noisy EM environments. It also meets security requirements for critical TEMPEST applications. The system offers a data link which is as simple as an electrical cable, but with the inherent advantages of optical fibre, such as low signal loss, immunity to interference, non-conducting, small size and weight. point2point products offer bandwidths from high accuracy DC to >3GHz.

The Sentinel Intelligent Fibre Optic Link product allows the user to remotely select inputs, link gain, pre-amplifier, calibration signals etc. It offers additional shielding for operation in higher field environments. Bandwidths of up to 1GHz are available, with bandwidths of up to 3GHz planned for the future.

PPM Test and Instrumentation also offer a range of RF, Magnetic and Electric field sensors and probes. These include Prodyn I, B and D Dot sensors and Stangenes current transformers.

PPM Test and Instrumentation recently added the Dynamic Sciences range of EMC and TEMPEST receivers to their product portfolio and will distribute these to all UK customers.

PPM Power – www.ppmpower.co.uk
PPM Power provides a wide range of Programmable DC power supplies, high voltage DC-DC convertors and capacitor charging power supplies. For example the Lambda DC programmable power supplies provide 0-600VDC at currents to 1400A. Parallel operation to increase current capability for use in ground power and automotive applications is simple to implement. These PSU’s come with a range of control options including RS232/485 and GPIB/IEEE with Labview/GUI drivers making them ideal for integration into automated test routines.

Manufacturers of:
RF of Fibre Solutions from DC to 3GHz
point2point - Fibre Optic Links
Sentinel - EMC Shielded Intelligent Fibre Optic Links

EMCIA Member
Manufacturer
Distributor for:
Barth Electronics
Dynamic Sciences
Heinzinger
Prodyn Technologies
TDK Lambda

Test Equipment Manufactured or Supplied
Active Antennas
Aircraft Lightning Test Equipment
Antennas - Broadband
Antennas - Test & Measurement
Chart Recorders
Conducted & Radiated Test Equipment
Current Clamps
Data Loggers
D.C. Power Supplies
Electronic Loads
EMC Test Systems
EMC Turnkey Solutions
EMC Test Systems

Emission Testers
Fibre Optic
Generators - Comb
Generators - EMP
Generators - High Voltage Pulse
HIRF Systems
Military Transient Generators
Preselectors
Probes - Current
Probes - E & H Field
Probes - Injection & BCI
Probes - Magnetic Field
Probes - RF
Probes - Voltage
Programmable Loads
Programmable Power Supplies
Receivers - EMC
Receivers - EMI
Receivers - Tempest
Reference Source
RF Attenuators
Spectrum Analysers
Spectrum Analysers PC Controlled
Tempest Test Equipment
Test Equipment
Transient Measuring Devices

PPM (Pulse Power & Measurement) Ltd
65 Shrivenham Hundred Business Park
Watchfield
Swindon
Wilts SN6 8TY

All this information was supplied by the companies
Company Profile

From our UK headquarters, Rainford EMC is a global leader in the design, manufacture, installation and testing of Anechoic and Shielded Chamber solutions for EMC, RF, microwave and antenna applications. We have a range of very high performance Ferrite & Pyramidal absorber materials for all applications. With representation in over 25 countries across Europe, Asia and America, we are ideally placed to serve the global market.

Fully ISO9001 and ISO14001 approved, REMC supply chambers for use in many industries, including aerospace, defence, consumer electronics, automotive and telecoms and, our solutions, both standard and bespoke, have been installed at many global and independent test houses, as well as numerous in-house facilities.

REMC recognises that it isn’t always a simple task bringing new products to market. This is why we pride ourselves on working closely with our customers to bring them the best fit solution, both technically and financially. With over 25 years’ experience in the EMC and RF shielding industry we have many existing solutions for current standardisation such as:

- Bench Top and Larger EMC and Antenna Measurement Test Cells
- 3m Compact Chambers
- 3, 5 and 10m Chambers
- MIL STD Chambers
- Mode Stir Chambers
- Antenna Chambers
- MRI Facilities
- Architectural Shielding
- EMPP Shield Solutions
- TEMPEST RF Screened Rooms

Flexibility is key to our approach and, with a full mechanical, electrical and RF design team, utilising the latest in 3D design tools, whether your requirement is for a simple test cell, or a large turnkey project, we can address your project with a professional solution.

Rainford EMC Systems is a versatile company that you can depend on for every shielding and anechoic requirement. From portable test cells to complete large turnkey projects, absorber designs and supply to upgrade an existing facility, simple advice to full project management, our diverse and experienced team are ready to help.
The high current S46/M5/9 CDN (Coupler-Decoupler Network) introduces a new dimension of versatility into test applications such as electricity meter calibration, power supplies up to 100 amps, and variable-speed drives. It includes anti-resonance elements that allow use in M2-M5 mode without loss of accuracy. Wires may also be linked in parallel for 100 amp circuits. One wire may be split into lower-current conductors for control and sensing circuits.

Our series 43 Desk-top Strip Line Tester has special features to facilitate product design and EMC education. The strip line may be set in the three orthogonal positions relative to the EUT. This allows the designer to determine the orientation of fields that cause troublesome interference without the difficulties that accompany movement of the EUT.

EMCIA Member
Manufacturer

Test Equipment Manufactured or Supplied
Absorption Clamps
CDN’s
Common-mode Attenuation Devices
Impedance Simulation Networks (ISNs)
Line Impedance Stabilisation Networks (LISNs)
TEM Cells

Richard Marshall Limited
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Company Profile

Richard Marshall Limited brings together consultancy, design, and UK manufacture so as to provide user-friendly and cost-effective EMC instrumentation for the product design laboratory as well as for the test specialist.

Its founder has a strong background in innovative system and product design as well as first-hand experience of creating and implementing standards. The Company offers well-documented products with professional local back-up.

Artificial mains networks have been supplied for use over the extended range of 9kHz to 30MHz. This illustration shows part of a UKAS-approved 3-phase 4-wire 20amp 440volt AMN in accordance with EN50065-1 for export to the far east.

Audio test Interfaces to EN55103-2 have been supplied to customers in the UK and North America.

A recent “special” has been a 12KV 9Joule surge test Network to meet the Swedish SPM1618 requirements.
Company Profile

Rohde & Schwarz is an independent group of companies specializing in electronics. It is a leading supplier of solutions in the fields of test and measurement, broadcasting, radiomonitoring and radiolocation as well as mission-critical radiocommunications.

With EMC test products ranging from automatic test receivers for pre-compliance testing, up to fully equipped turnkey EMC test centres, Rohde & Schwarz can offer solutions for every budget.

Rohde & Schwarz’s ESU family of fully compliant EMI test receivers, meet all civil and military standards for electromagnetic interference measurements. The new FFT-based time-domain scan allows users to perform overview measurements up to 150 times faster than on previous EMI test receivers. The R&S ESU also features automatic and interactive measurement functions, real-time IF analysis and parallel detectors including the new CISPR-RMS detector.

Additionally, Rohde & Schwarz has a new CISPR 16-1-1 compliant EMI test receiver for the frequency range from 9 kHz to 7 GHz. The R&S ESC17 already meets the requirements of the current edition of the CISPR 22/EN 55022 standard for information technology equipment, which will be valid from 2010. Like all EMI test receivers from Rohde & Schwarz, the R&S ESC17 features an integrated spectrum analyzer.

Rohde & Schwarz has also recently developed its first family of broadband amplifiers. The company leveraged its extensive expertise as a broadcast transmitter manufacturer to design the new product line. As a result, the R&S BBA100 is the most flexible and advanced broadband amplifier system on the market.

Technically competent and with high level applications engineering expertise, Rohde & Schwarz UK specialise in understanding customer’s requirements and tailoring solutions to meet them.

As part of this, leading electronics specialist Rohde & Schwarz UK offers customers the best of both worlds – access to extensive local capabilities and expertise, plus the ability to tap into the knowledge and resources of a global organisation.
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Company Profile

Telonic Instruments supplies wide ranges of Laboratory Power Supplies, AC and DC, Electrical Safety Testers including the new TOS5300 combined tester, advanced RIGOL test equipment, and a wide range of analysers RF Filters and Attenuators to GHz frequencies.

The AC Power Supplies are of linear amplifier design with outputs up to 20kVA, with variable frequency, voltage and offset outputs, the AC Power Supplies can simulate AC supply line faults and have a large number of measurement functions including current harmonics.

Advanced DC supplies have power outputs to 750 KVA with up to 120kV, both linear and switch mode designs. Also Telonic Electronic Loads, designed for power testing in static or dynamic modes, can simulate rapidly changing current demands on power supplies.

Electrical Safety Testers are another Telonic speciality. Aimed mainly at production test applications Telonic supplies AC and DC Flash Testers, Insulation Testers and earth Bond Testers. Manual and programmable versions are available.

Telonic can also supply a range of RF Filters, Attenuators and spectrum analysers. The RF Filter range encompasses custom built fixed low pass and bandpass types and also tunable bandpass and notch filters. Frequency ranges up to 12GHz for fixed filters, 3GHz for digital spectrum analysers, 4GHz for tunable filters.

Many of the products in the Telonic range are also available for hire.

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Programmable Loads
Programmable Power Supplies
RF Attenuators
RF Filters
Sound Level Meters
Spectrum Analysers
Surge & Dips
Test Equipment
Waveform Generations

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Company Profile

Teseq is a leading international high-tech company for EMC test systems. We develop and manufacture test instruments, software and accessories for EMC emissions and immunity testing. Our product range is broad and unique. We secure a leading role for our customers in the international market through our innovative and compliant solutions and reliable test results. Our clients work in testing and development laboratories, research institutes and centres of education. We do not compromise when it comes to quality control. As a rule, our hardware and software are thus manufactured under one roof, including the final assembly and test. We pay particular attention to product design and ease-of-use.

We play a leading role in the following sectors:

- Automotive industry
- Industrial electronics
- Consumer electronics
- Medical technology
- Telecommunications

Even a worldwide leader such as Teseq has to prove its excellence every day. We work hard to exceed our own demanding standards.
TMD Technologies Ltd

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Middx

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Company Profile

TMD first began developing its range of compact, lightweight broadband instrumentation amplifiers for EMC testing, scientific and medical applications in the 1990s - an activity which grew from TMD’s strength in high power military radar amplifiers.

TMD’s instrumentation amplifiers cover the range 1 – 40 GHz at up to 500 W CW and 40 kW pulsed, and have gained a worldwide reputation for design innovation, offering many unusual and unique products. Changing EMC testing regulations continue to offer many new technical challenges which we have to meet. For example there is a growing need for the microwave amplifiers used in HIRF testing to deliver more than 7 kW pulsed at L-band frequencies, in order to achieve the necessary field strength requirements.

This is a technically challenging area for amplifier design in which TMD has succeeded. In 2002 TMD had already successfully developed the PTC7030, a very special high pulse power amplifier which could deliver a minimum of 20 kW from 1.1-1.5 GHz. This was for a specific programme run by the Swedish National Testing and Research Institute for susceptibility testing of vehicles - emulating the conditions generated by high power L-band airport surveillance radars. The PTC7030 has recently been further developed to provide 30 kW at 2% duty.

Through a continual process of new product introduction, TMD has now extended this capability with four new compact lightweight amplifiers, PTC6704, PTC6303, PTC7357 and PTC7030 which together achieve a minimum of 9 kW; and a maximum of 30 kW pulsed between 1.0 and 11.0 GHz. All new models are featured on the TMD website as they become available.

TMD is pleased to be working with antenna experts Q-par Angus Ltd and BONN Elektronik GmbH who specialise in RF amplifiers below 1 GHz. With their expertise and high quality products; horn antennas, reflectors, microwave and RF amplifiers, we are able to provide more extensive subsystem solutions for our customers worldwide, which now includes power combining to achieve the highest power levels.
York EMC Services Ltd

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Company Profile

York EMC Services Ltd has an international reputation for our services and products and provides you, our customer, with a unique service.

Derived from our experience of operating world-class EMC testing laboratories, we have developed a range of internationally acknowledged reference noise sources, providing EMC test laboratories with:

- Stable reference sources operating from mains frequencies to 40GHz
- Continuous broadband noise emitters including the world renowned CNEIII now with an extended frequency range of 9kHz to 3.5GHz
- Comb Generators operating from 50MHz to 40GHz
- Harmonics and Flicker verification

Benefits of the York range:

- Daily laboratory checks
- Electrically ‘small size’ compared to competitor products
- Continuous output of our CNEs means that no detail of the electromagnetic structure of FARs or other measurement environments are missed
- A choice of integral antenna or conducted output with external antenna for our high frequency comb generators
- Physically small size of the comb generator range permits shielding effectiveness measurements of small enclosures
- With our University of York heritage you are guaranteed instruments engineered to the highest levels of technical competence
- And we can educate your engineers, we are an iNARTE approved training provider
  - Specifically relevant is our workshop on laboratory validation and verification, which includes validation/verification measurements and tools and discusses measurement uncertainty

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EMCIA Member
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Manufacturer

Test Equipment Manufactured or Supplied
- Active Antennas
- Antennas - Active Dipole
- Antennas - Antenna Design
- Antennas - Calibration
- Antennas - Microwave
- Cable Test Clamp
- Conducted & Radiated Test Equipment
- Electronic Loads
- Generators - Comb
- Generators - Continuous Broadband Noise Source
- Generators - Harmonic & Flicker
- Harmonics & Flicker Testers
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- Reference Source
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- Test Equipment
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For “At-a-Glance” short form listing of all available products please contact

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