



## Quotation Request Form

Please complete this form as far as possible to enable us to give you an accurate quotation and return it to:

E-mail: [blackwoodenquiries@kiwa.co.uk](mailto:blackwoodenquiries@kiwa.co.uk) or Fax: + 44 (0) 1495 228 331

### Section 1: Company Details

Company Name:

Address:

Telephone Number:

Fax Number:

### Contact Details

Name:

Direct phone / ext:

E-mail address:

### Section 2: Equipment Details

Name:

Model Number:

Description:

(include details of equipment functions, and intended environment)

Electrical Rating:

Voltage

Frequency

Power

Set-up Requirements:

(typical set-up time and any specific instructions)

Rev H

Kiwa Blackwood Compliance Laboratories, Unit 8 Woodfieldside Business Park, Pontllanfraith, Blackwood. NP12 2DG  
Tel: +44 (0) 1495 229219 Fax: +44 (0) 1495 228331 [blackwood-info@kiwa.co.uk](mailto:blackwood-info@kiwa.co.uk) [www.kiwa.co.uk](http://www.kiwa.co.uk)

UKAS Accredited Test Laboratory No: 2667

Kiwa Ltd. Registered in England and Wales No: 3473056

Registered Office: Kiwa House, Malvern View Business Park, Stella Way, Bishops Cleeve, Cheltenham, GL52 7DQ

### Section 3: Test(s) Required

#### Test Type

(double click to check all applicable)

	<b>Pre-Compliance</b>	
	(please indicate time required in multiples of 0.5 day)	
Safety	<input type="checkbox"/>	_____ day(s)
EMC	<input type="checkbox"/>	_____ day(s)
EMF	<input type="checkbox"/>	_____ day(s)

<b>Compliance</b>	
(test time will be calculated and specified in the quotation)	
<input type="checkbox"/>	Complete Section 4
<input type="checkbox"/>	Complete Section 5
<input type="checkbox"/>	

Test Standard(s):  
(if known)

Preferred test date(s):  
(subject to availability)

Please indicate if you would prefer to be contacted to discuss your requirements in more detail

### Section 4: Safety Testing

Classification of the Appliance:

<input type="checkbox"/>	Class 1 - Earthed
<input type="checkbox"/>	Class 2 - Double Insulated
<input type="checkbox"/>	Class 3 - SELV (Safety Extra Low Voltage)

Internal Voltages:

Are voltages higher than standard mains voltage used within the appliance? Yes / No
If Yes please specify voltage:

IPXX Rating:

Is IPXX testing required? Yes / No
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Protective Electronics:

Does the appliance rely on protective electronics to prevent abnormal fault conditions? Yes / No
Does the appliance have an off position obtained by electronic disconnection, or can it be placed in stand-by mode? Yes / No
If Yes to either of the above, do you require a quotation for abnormal operation EMC immunity testing (Clause 19.11.4)? Yes / No

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## Section 5: EMC Testing

**Operation Mode(s):**  
(details of the operation modes for which testing is required eg. full power, 50%, program 7 etc)

**Cables to be tested:**  
(state number and type of cables/ports and cable lengths eg. mains, RJ45 >3m etc)

**Operating Frequency:**  
(the maximum frequency used by the appliance, AND any clock frequencies where known)

Definition (Taken from EN 55014-2):  
"Clock Frequency: fundamental frequency of any signal used in the device, excluding those which as solely used inside integrated circuits (IC)  
*Note: High frequencies are often generated inside of integrated circuits (IC) by phase-locked-loop (PLL) circuits from lower clock oscillator frequencies outside the IC"*

**Emissions testing:**  
(applicable for EN 55014-1: household appliances, electric tools and similar apparatus only)

**Disturbance Power / Radiated Emissions Testing:** A1 to EN 55014-1 gives three methods of determining compliance in the frequency range 30MHz to 1000 MHz:  
Method 1: Meet the requirements of Disturbance Power (30 MHz to 300 MHz) with reduced limits (as detailed in Table 2b of EN 55014-1 (200 MHz - 300 MHz)) *This is only available for products in which the clock frequency is less than 30MHz.*  
Method 2: Meet the requirements of Disturbance Power (30 MHz to 300 MHz) and the requirements of Radiated Emissions (300 MHz to 1000 MHz)  
Method 3: Meet the requirements of Radiated Emissions (30 MHz to 1000 MHz)

Please indicate your preference for the Emissions Test Method:

Method 1

Method 2

Method 3

Unsure  (we will call you to discuss)

**Immunity testing:**  
(if applicable)

**Surge Testing:** IEC 61000-4-5 requires that surges are performed at 60 second intervals. We can decrease this time to 20 seconds. Reducing the interval time has the effect of over-testing. Should the product fail when testing at the 20 second intervals then we cannot be certain of whether it fails the test requirement or not. The result will stand as a failure unless the full surge test is performed at 60 second intervals at an additional cost. Our default interval is 60 seconds.

Please indicate your preference for the surge interval time:

60 seconds surges

20 seconds surges

**Radiated Immunity:** IEC 61000-4-3 and **Conducted Immunity:** IEC 61000-4-6 require that we dwell at each frequency for a sufficient time for the EUT to be exercised and to respond. We use a minimum default of 3 seconds for the dwell time.

Please indicate your preference for the immunity dwell time:

Dwell time of 3 seconds

Other dwell time (seconds) \_\_\_\_\_

**Function Monitoring, Monitoring Equipment & Performance Levels:** All EUT monitoring equipment must be provided by the Customer to enable monitoring of the EUT functions during the immunity tests. These functions are to be defined by the customer.

Limits of acceptable degradation in performance should be provided prior to commencement of testing. If necessary please contact the laboratory to discuss performance levels.

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