

Ultrastar C10K900 Agency Certification

Version 1.0

November 2011

 **Hitachi Global Storage Technologies**

Contents

Ultrastar C10K900

- USA - UL
- Hitachi CE, ICES, VCCI Declaration of Conformity
- Taiwan - BSMI
- Australia – CTick and DoC
- EMEA – TUV Bauart
- Korea - KCC



Ref. Certif. No.

US-17108-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST
CERTIFICATES FOR ELECTRICAL EQUIPMENT
(IECEE) CB SCHEMESYSTEME CEI D'ACCEPTATION MUTUELLE DE
CERTIFICATS D'ESSAIS DES EQUIPEMENTS
ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product

Produit

Hard Disk Drive Ultrastar C10K900

Name and address of the applicant
Nom et adresse du demandeurHITACHI GLOBAL STORAGE TECHNOLOGIES INC
5601 GREAT OAKS PKY
SAN JOSE CA 95119, USAName and address of the manufacturer
Nom et adresse du fabricantHITACHI GLOBAL STORAGE TECHNOLOGIES INC
5601 GREAT OAKS PKY
SAN JOSE CA 95119, USAName and address of the factory
Nom et adresse de l'usine

See Page 2

Note: When more than one factory, please report on page 2
Note: Lorsque il y a plus d'une usine, veuillez afficher le 2^{ème} page
Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

+ 5 V dc; 0.7 A; +12 V dc; 0.4 A

Trademark (if any)
Marque de fabrique (si elle existe)**HITACHI**Type of Manufacturer's Testing Laboratories used
Type de programme du laboratoire d'essais
constructeur

WMT

Model / Type Ref.
Ref. De type

HUC1090xxCSy60z or Type UCTSSCxx0, See Page 2

Additional information (if necessary may also be
reported on page 2)
Les informations complémentaires (si nécessaire,
peuvent être indiqués sur la 2^{ème} page

The CB Test Report comprises 2 enclosures.

A sample of the product was tested and found
to be in conformity with
Un échantillon de ce produit a été essayé et a été
considéré conforme à la

IEC 60950-1(ed.2)

As shown in the Test Report Ref. No. which forms part
of this Certificate
Comme indiqué dans le Rapport d'essais numéro de
référence qui constitue partie de ce Certificat

E240353-A12-CB-1

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de CertificationUnderwriters Laboratories Inc. / GMA Certification Department, US
333 Pfingsten Road, Northbrook, IL 60062-2096
United States of America
TEL INT* +1 847 664 3008, FAX INT* +1 847 313 3008
email: jolanta.m.wroblewska@us.ul.com

Signature:

Jolanta M. Wroblewska

Date: 2011-05-19

HITACHI

Inspire the Next

Hitachi Global Storage Technologies, Inc.
5601 Great Oaks Parkway
San Jose, CA 95119-1003 USA
Tel: 800-801-4618 Fax: 408-717-5000
www.hgst.com

, ICES and VCCI Declaration of Conformity

We,
Hitachi Global Storage Technologies
5601 Great Oaks Parkway
San Jose, CA 95119-1003

Declare, under our sole responsibility, that the Hitachi Ultrastar C10K900 series of products

(model part numbers: HUC109090CSS600, HUC109090CSS601, HUC109060CSS600,
HUC109060CSS601, HUC109045CSS600, HUC109045CSS601, HUC109030CSS600,
HUC109030CSS601)

Which are manufactured at


Hitachi Global Storage Technologies Thailand Ltd.
203, 205 Moo7, Tambon Tha Tum, Amphur Srimahaphote
Prachinburi 25140 Thailand
Tel: +66 37208700

And

Hitachi Global Storage Technologies Singapore Pte. Ltd.
#03-08, 4 Khaki Bukit Ave. 1
Singapore 417939, Singapore

conform to the following European Directives:

1. Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility.
2. Council Directive 2006/95/EC on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits.

The  Declaration of conformity has been assessed for the Hitachi Ultrastar C10K900 series model numbers HUC1090xxCSS60y where "xx" = 90, 60, 45, or 30, and "y" = 0, 1.
(Serial Attached SCSI = SAS, 6 Gb/s)

Schedule A

Conformity with Council Directive 2006/95/EC on the approximation of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits, is based on compliance with the following harmonized standards:

EN 60950-1:2006 with Am. 11, [Second Edition](#)
IEC 60950-1:2005, [Second Edition](#)
UL 60950-1, [Second Edition](#), 2007-03-27
CSA C22.2 No. 60950-1-07, [Second Edition](#), 2007-03

Schedule B

Conformity with Council Directive 2004/108/EC on the approximation of the laws of the Member States relating to electromagnetic compatibility is based on compliance of the product with the following harmonized standards:

- 1: EN 55022: 2006 + A1:2007 (Class B for SAS)
- 2: EN 55024: 1998 +A1:2001 +A2:2003
- 3: EN 61000-3-2: 2006+ A1:2009+A2:2009
- 4: EN 61000-3-3:2008

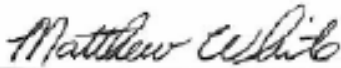
And conform to the following directives:

VCCI Japanese Standards of Confirmation

- 1. All SAS models conform to the requirements of the 2010 VCCI Class B harmonized standards of electromagnetic compatibility per CISPR 22 Ed 5.2, 2006.

ICES-003 Canadian Standards of Confirmation

- 1. All Class B digital apparatus (SAS hard disk drives) comply with Canadian ICES-003, Issue 4, 2004 Class B standards.



Matthew White, Program Director

10-26-2011

10-31-2011

Date of issue

Revision 1

符合性聲明書
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33373	

本符合性聲明書應依商品檢驗法規定備齊相關技術文件後始得簽具
Please check all the related technical documents in accordance with the Commodity Inspection Act before signing the form.

報驗義務人：新加坡商日立環球儲存科技股份有限公司台灣分公司

Obligatory Applicant

地址：台北市敦化北路 167 號 5 樓(宏國大樓)

Address

電話：02-3518-1681

Telephone

商品中(英)文名稱：(中文) 硬碟機

Commodity Name

(英文) HARD DISK DRIVE

商品型式(或型號)：HUC109030CSS600/HUC109030CSS601

Commodity Type (Model)

HUC109045CSS600/HUC109045CSS601

HUC109060CSS600/HUC109060CSS601

HUC109090CSS600/HUC109090CSS601

符合之檢驗標準及版次：CNS 13438, complete 2006 version (Taiwan)

Standard(s) and version

試驗報告編號：IBMR1245

Test Report Number

試驗室名稱及代號：IBM Rochester EMC Lab

Testing laboratory name and designation number

(代號) SL2-IN-E-1039

符合性聲明檢驗標識及識別號碼：

The form of the DoC marking appears like this



D33373

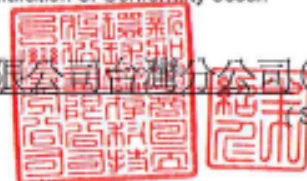
茲聲明上述商品符合商品檢驗法符合性聲明之規定，若因違反本聲明書所聲明之內容，願意擔負相關法律責任。

I hereby declare that the listed commodity conforms to Declaration of Conformity requirements stipulated in the Commodity

Inspection Act. I agree to take any legal obligations should violations against the Declaration of Conformity occur.

報驗義務人：新加坡商日立環球儲存科技股份有限公司台灣分公司(簽章)

Obligatory Applicant



(Signature)

中華民國 100 年 10 月 28 日
DATE (year) (month) (day)

Supplier's declaration of conformity

For compliance level 1, 2 and 3 in Australia

As required under notices under

- Section 182 of the Australian Radiocommunications Act 1992



Australian Government

**Instructions for completion**

This completed form remains with the supplier as part of the documentation required for the compliance records. Do not return this form to Australian Communications and Media Authority.

Supplier's details

Company Name (name of manufacturer, importer or agent)

NJM Technology Solutions Pty Ltd.

ACMA supplier code number

N13508

Address (address of manufacturer, importer or agent)

43 Forest Lane

Markwood

Victoria POSTCODE 3678

ABN, ACN or ARBN

57 099 627 268

Product details

Hitachi Global Storage Technologies Ultrastar C10K900
Small Form Factor 10000 RPM 3Gb/s and 6Gb/s SAS Interface Hard Disc Drive

Type Names:	UCTSSC900	Model No's:	HUC109090CSS800
			HUC109090CSS801
	UCTSSC600		HUC109060CSS800
			HUC109060CSS801
	UCTSSC450		HUC109045CSS800
			HUC109045CSS801
	UCTSSC300		HUC109030CSS800
			HUC109030CSS801

Compliance with Radiocommunications (Electromagnetic Compatibility) Standard 2008

The above mentioned product complies with the requirements of the Radiocommunications (Electromagnetic Compatibility) Standard 2008. Evidence of compliance is demonstrated by test reports to the following applicable standards.

Applicable standards

EN55022:2006 +A1:2007

EMC Test Report Number: IBMR1245 Dated October 24th 2011
Prepared By: IBM Rochester EMC Lab.

Declaration

I hereby declare that the product mentioned above complies with the requirements of the Radiocommunications (Electromagnetic Compatibility) Standard 2008. All products supplied under this declaration will be identical to the product identified above.

Signature

Name

Nigel Matheson

Position In Organisation

Managing Director

Date

November 2nd 2011

Zertifikat

Certificate



Zertifikat Nr. *Certificate No.*
R 72111557

Blatt *Page*
0001

Ihr Zeichen *Client Reference*
Mike Lorelli

Unser Zeichen *Our Reference*
-MW- 31181532 001

Ausstellungsdatum *Date of Issue*
03.06.2011
(day/month/year)

Genehmigungsinhaber *License Holder*
Hitachi Global Storage Technologies
5601 Great Oaks Parkway
San Jose CA 95119
USA

Fertigungsstätte *Manufacturing Plant*
Hitachi Global Storage Technologies
(Thailand) Ltd.
Amphur Srimahaphote
203, 205 M007 Tambon Tha Tum
25140 Prachinburi Province
Thailand

Prüfzeichen *Test Mark*

Geprüft nach *Tested acc. to*
EN 60950-1:2006+All



Zertifiziertes Produkt (Geräteidentifikation)
Certified Product (Product Identification)

Lizenzentgelte - Einheit
License Fee - Unit

Data Storage Device Hard Disk Drive Ultrastar C10K900

Model Designation: 1) HUC1090xxCSy60z,
2) Type UCT80Cxx0
(xx = 90,60,45,30; y = S,4; z = 0,1)

7

Rated Voltage: DC 5V; DC 12V
Rated Current: 0,7A; 0,4A
Protection Class: III
Rated Ambient Temperature: 55°C max.

Special Remarks: To be installed according to the licensee's
installation instructions.



7

ANLAGE (Appendix): 1, 1-2

*Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfgrundlagen. Zusätzliche Anforderungen in Ländern, in denen das Produkt in Verkehr gebracht werden soll, müssen zusätzlich betrachtet werden. Die Herstellung des zertifizierten Produktes wird überwacht.
This certificate is based on our Testing and Certification Regulation and states the conformity of the product with the standards and testing requirements as indicated above. Any additional requirements in countries where the product is going to be marketed have to be considered additionally. The manufacturing of the certified product is subject to surveillance.*

Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH, Tillystraße 2, 90431 Nürnberg
Tel.: +49 221 806-1371 e-mail: cert-validity@de.tuv.com
Fax: +49 221 806-3935 http://www.tuv.com/safety
Inh. = 745219 / Deb. = 751344 / Fert. = 753913

Martin Gajda
Dipl.-Ing. M. Gajda



방송통신기자재등의 적합등록 필증
Registration of Broadcasting and Communication Equipments

상호 또는 성명 <i>Trade Name or Registrant</i>	히타치글로벌스토리지테크놀러지스아시아퍼티엘티디(영업소)
기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	HUC109090CSS600
파생모델명 <i>Series Model Number</i>	HUC109090CSS601
등록번호 <i>Registration No.</i>	KCC-REI-HGS-HUC109090CSS60
제조사/ 제조국가 <i>Manufacturer/ Country of Origin</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES (THAILAND) LTD./태국
인증연월일 <i>Date of Registration</i>	2011년(Year) 11월(Month) 04일(Date)
기타 <i>Others</i>	

위 기기는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.
 It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2011년(Year) 11월(Month) 04일(Date)

국립전파연구원장

*Director General of National Radio Research Agency
 Korea Communications Commission Republic of Korea*

* 적합등록 방송통신기자재는 반드시 "적합성평가표시"를 부착하여 유통하여야 합니다.
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기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	HUC109060CSS600
파생모델명 <i>Series Model Number</i>	HUC109060CSS601
등록번호 <i>Registration No.</i>	KCC-REI-HGS-HUC109060CSS60
제조사/ 제조국가 <i>Manufacturer/ Country of Origin</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES (THAILAND) LTD./태국
인증연월일 <i>Date of Registration</i>	2011년(Year) 11월(Month) 04일(Date)
기타 <i>Others</i>	

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기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	HUC109045CSS600
파생모델명 <i>Series Model Number</i>	HUC109045CSS601
등록번호 <i>Registration No.</i>	KCC-REI-HGS-HUC109045CSS60
제조사/ 제조국가 <i>Manufacturer/ Country of Origin</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES (THAILAND) LTD./태국
인증연월일 <i>Date of Registration</i>	2011년(Year) 11월(Month) 04일(Date)
기타 <i>Others</i>	

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 It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2011년(Year) 11월(Month) 04일(Date)

국립전파연구원장



*Director General of National Radio Research Agency
 Korea Communications Commission Republic of Korea*

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기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	HUC109030CSS600
파생모델명 <i>Series Model Number</i>	HUC109030CSS601
등록번호 <i>Registration No.</i>	KCC-REI-HGS-HUC109030CSS60
제조사/ 제조국가 <i>Manufacturers/ Country of Origin</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES (THAILAND) LTD./태국
인증연월일 <i>Date of Registration</i>	2011년(Year) 11월(Month) 04일(Date)
기타 <i>Others</i>	

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 Korea Communications Commission Republic of Korea*

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