



**TS5SADxxx/TS7SADxxx/  
TS5SABxxx/TS7SABxxx  
(HTS5475xxA9E3xx/HTE5475xxA9E3xx  
HCC5475xxA9E3xx)**

**Agency Approval Letters  
C-UL / CE / TUV / DoC / MIC / C-Tick**

Sep 09, 2010

 **Hitachi Global Storage Technologies**



Underwriters  
Laboratories

## NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

2010/07/21

Hitachi Global Storage Technologies Japan Ltd  
Mr. Tatsuoki Shinohara  
Fujisawa Plant  
1 Kiri-hara-cho  
Fujisawa-shi Kanagawa 252-8588, Jp

Our Reference:	File E182115, Vol. X1	Project Number	10NK09541
Your Reference:	1005312		
Project Scope:	<p>UL's UL: Addition of new model and alternate Spindle Motor to Hard Disk Drive, Models TS5SADnnn, TS7SADnnn, TT5SABnnn and TT7SABnnn covered in Report Reference No. E182115-A1</p> <ul style="list-style-type: none"> <li>- Addition of new models TS5SADnnn and TS7SADnnn</li> <li>- Addition of alternate Spindle Motor Nidec Co., Ltd., UJ13621 to Model TT5SABnnn</li> <li>- Addition of alternate Spindle Motor Nidec Co., Ltd., UJ13623 to Model TT7SABnnn</li> </ul>		

Dear Mr. Tatsuoki Shinohara:

UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark only at authorized factories under UL's Follow-Up Service Program.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this notice to each manufacturing location currently authorized in File E182115, Vol. X1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. Until then, this letter authorizes application of the UL Mark for 90 days from the date of this letter.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn. UL may elect to withdraw use of the UL Mark if the Applicant or Manufacturer fails to comply with UL's requirements including ongoing compliance of the product, under UL's Follow-Up Service.

Notice of Authorization - 10NK09541

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

The contents of this Letter are intended solely for the use of UL and the Applicant. The opinions and findings of UL represent its judgment given with due consideration to the necessary limitations of practical operation in accordance with UL's objectives and purposes. UL shall not otherwise be responsible for the use of or reliance upon the contents of this letter by anyone. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages, arising out of or in connection with the use or reliance upon the contents of this letter to anyone other than the Applicant as provided in the agreement between UL and Applicant. Any use or reference to UL's name or certification mark(s) by anyone other than the Applicant in accordance with the agreement is prohibited without the express written approval of UL.

Very truly yours,	Reviewed by:
Hiroyuki Monokawa	Jay HSU
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Project Engineer	Senior Project Engineer
Hiroyuki.monokawa@jp.ul.com	Jay.HSU@tw.ul.com
CC: NATUM CORP,	

TKYD2F7-2FF566

**HITACHI**  
Inspire the Next

Hitachi Global Storage Technologies Japan, Ltd.  
1, Kirihara-cho, Fujisawa-shi  
Kanagawa, 252-8588, Japan  
URL: <http://www.igst.com>

## EC DECLARATION OF CONFORMITY

According to EN 45014.

**Product Name** : Hard Disk Drive  
**Product Type** : TS5SADxxxx (xxxx : any numeral)

We Hitachi Global Storage Technologies Japan, Ltd., declare under our sole responsibility that the above-named products, manufactured by:

Hitachi Global Storage Technologies.

to which this declaration relates, is in conformity with the following European Directives:

LVD Directive : 2006/95/EC  
EMC Directive : 2004/108/EC

### Applied harmonized standards:

EN 60950-1:2001+A11	See Note 1)
EN 55022:2006 / A1 : 2007 Class B	See Note 2)
EN 55024:1998 / A1 : 2001 / A2 : 2003	See Note 2)

### Supplementary Information:

**Note 1)** The test was conducted in a certification body shown below.

TUVRHEINI AND JAPAN Jtd.  
Shin-Yokohama Data Center Bldg. 9F  
19-5 Shin-Yokohama 3-chome  
Koshoku-ku, Yokohama-shi,  
Kanagawa-ken, 222-0033 Japan

**Note 2)** The test was conducted by Tokin EMC Engineering Co., Jtd.

**CE Marking Date** : 2010.

Signed : \_\_\_\_\_  
Tautomu Numata  
General Manager, DTM PMC, Fujisawa

Place of issue : Hitachi Global Storage Technologies Japan, Ltd.  
1, Kirihara-cho, Fujisawa-shi, Kanagawa-ken,  
252-8588 Japan

Date of issue : Aug 03, 2010



## Zertifikat Certificate

Zertifikat Nr. Certificate No. Blatt Page  
 P. 50024840 0029

Unsere Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum Date of Issue (day/month/yr)
1005313	ZJL-YOT- 12004968 033	07.07.2010

Genehmigungsinhaber License Holder	Fertigungsstätte Manufacturing Plant
Hitachi Global Storage Technologies Japan, Ltd. Fujisawa Plant 1 Kirihara-cho Fujisawa-shi, Kanagawa 252-8588 JAPAN	Hitachi Global Storage Technologies Japan, Ltd. Fujisawa Plant 1 Kirihara-cho Fujisawa-shi, Kanagawa 252-8588 JAPAN

### Prüfzeichen Test Mark

Geprüft nach Tested acc. to  
 EN 60950-1:2006+A11



Zertifiziertes Produkt (Geräteidentifikation) Certified Product (Product Identification)	Lizenzentgelte - Einheit License Fee - Unit
<u>Platterspeicher Hard Disk Drive</u>	
<b>Addition</b>	
Type Designations : TS5SADnnn	1
TS7SADnnn	1
n = 0 - 9	
Rated Current : 700mA	800mA

Platterspeicher Hard Disk Drive

### Addition

Type Designations : TS5SADnnn	1
TS7SADnnn	1
n = 0 - 9	

Rated Current : 700mA 800mA



Dem Zertifikat liegt unsere Prüf- und Zertifizierungsordnung zugrunde und es bestätigt die Konformität des Produktes mit den oben genannten Standards und Prüfbedingungen. 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 standard 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.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg  
 Tel.: (+49/221)806 - 13 71 e-mail: cert-validity@de.tuv.com  
 Fax: (+49/221)806 - 39 33 http://www.tuv.com/galicy

*Werner Grottel*  
 Dipl.-Ing. W. Herzschke

## 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)2.5 英吋硬碟機

Commodity Name

(英文) 2.5 inch Hard Disk Drive

商品型式 (或型號)： (1) TS5SAD750 (2) TS5SAD640

Commodity Type (Model)

(3) TS5SAD500

符合之檢驗標準及版次： CNS 13438(C6357)乙類, 95.06.01 修訂版

Standard(s) and version

試驗報告編號： KSQ106093

Test Report Number

試驗室名稱及代號： Tokin EMC Engineering Co., Ltd.

Testing laboratory name and designation number

(代號:SL2-IN/A1-E-6003)

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 99 年 07 月 16 日

DATE

(year)

(month)

(day)



전자부서확인번호 HK23-WR2N-8HGI-Q3A7

## 방송통신기기인증서

### Certificate of Broadcasting and Communication Equipment

인증의 종류 <i>Certification Type</i>	전자파 적합등록(EMC Registration)
상호 또는 성명 <i>Trade Name or Applicant</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES JAPAN, LTD.
기기의 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	TS5SAD750
파생모델명 <i>Series Model Number</i>	TS5SAD640, TS5SAD500
인증번호 <i>Certification No</i>	HTB-TS5SAD750 (B)
제조사/ 제조국가 <i>Manufacturer/ Country of Origin</i>	HITACHI GLOBAL STORAGE TECHNOLOGIES (THAILAND), LTD., Union Technology (2008) Public Company Limited Srinacha Plant., Hitachi Global Storage Products (Shenzhen) Co., Ltd., HITACHI GLOBAL STORAGE TECHNOLOGIES SINGAPORE PTE. LTD./태국, 중국, 싱가포르
인증연월일 <i>Date of Certification</i>	2010년(Year) 07월(Month) 20일(Date)
기타 <i>Others</i>	

위 기기는 「전기통신기본법」, 「전파법」에 따라 인증되었음을 증명합니다.  
It is certified that foregoing equipment has been certificated under the Framework Act on Telecommunications and Radio Waves Act.

2010년(Year) 07월(Month) 26일(Date)

전파연구소장



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

### 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



### 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

57 099 627 266

### Product details

Hitachi Global Storage Technologies Travelstar 5K750.  
2.5 Inch 5400 RPM 3.0 Gbps SATA Interface Hard Disk Drive

Type Names: TS5SAD750  
TS5SAD840  
TS5SAD500

### 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 Class B

EMC Test Report Number: KSQ106091 Dated July 2<sup>nd</sup> 2010  
Prepared By: Tokin EMC Engineering Co. Ltd.

### 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

2<sup>nd</sup> August 2010