



**TK5SAFxxx**  
**(HTS5415xxA9E6xx)**

## **Agency Approval Letters**

**C-UL / CE / TUV / DoC / KC Mark / C-Tick**

Apr 12, 2013



## NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

2012/08/30

Hitachi Global Storage Technologies Japan Ltd  
Mr. Toshiaki Ishikawa  
Fujisawa Plant  
1 Kirihara-cho  
Fujisawa-shi Kanagawa 252-0888, Jp

Our Reference: File E182115, Vol. X1 Project Number 12NK10646

Your Reference: 1207354

Project Scope: USB/CNR - Hard Disk Drive, Models HCC5416nnJ9SAnn, HHV5416nnJ9SVnn, HHV5425nnK9SVnn, HTE5410nnX9AT00, HTE5410nnX9SA00, HTE5416nnJ9ATnn, HTE5416nnJ9SAnn, HTE5416nnJ9A3nn, HTE5440nnKTA3nn, HTE5480nnM9ATX0, HTE7210nnG9AT00, HTE7210nnG9SA00, HTE7260nnM9ATX0, HTS4212nnH9AT00, HTS4240nnM9AT00, HTS5410nnX9AT00, HTS5410nnX9SA00, HTS5412nnH9ATnn, HTS5412nnH9SAnn, HTS5416nnJ9ATnn, HTS5416nnJ9SAnn, HTS5416nnJ9A3nn, HTS5480nnM9ATX0, HTS7210nnG9AT00, HTS7210nnG9SA00, HTS7260nnM9ATX0, Huv5425nnK9SAnn, Huv5425nnK9A3nn, Huv5432nnL9A3nn, Huv5432nnL9SAnn, Hvv5450nnKTA3nn, Hvv5450nnKTSAnn, Hvv7220nnK9A3nn, Hvv7220nnK9SAnn, Hvv7232nnL9A3nn, Hvv7232nnL9SAnn, HV5SVAnnn, HV5SVBnnn, HV5SVCnnn, HV5SVDnnn, TK5SAFnnn, TS5SADnnn, TS5SAAnnn, TS5SABnnn, TS7SAAnnn, TS7SADnnn, TT5SABnnn, TT5SAEnnn, TS5SAFnnn, TS7SAFnnn, TT7SABnnn, and TT7SAEnnn

- Addition of Model TK5SAFnnn

- Standard Upgrade from UL/CSA60950-1, 2nd Edition to UL/CSA60950-1, 2nd Edition + Amendment 1.

Dear Mr. Toshiaki Ishikawa:

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 - 12NK10648  
NofA-12NK10648-Aug-30-2012.doc

Any information and documentation provided to you involving UL Mark services are provided on behalf of UL LLC (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,

Hiroyuki Furuya  
+81 3 5293 6246  
Project Engineer  
Hiroyuki.Furuya@ul.com

William R. Carney  
847/664-1088  
Chief Engineer Director I  
William.R.Carney@ul.com

CC: NATOM CORP, MR. SHINICHI YOKOYAMA

TKYE53B-5E3A05





HGST Japan, Ltd.  
1, Kirihara-cho, Fujisawa-shi,  
Kanagawa-ken, 252-0888, Japan  
URL: <http://www.hgst.com>

**EC DECLARATION OF CONFORMITY**

According to EN 45014

Product Name : Hard Disk Drive  
Product Type : TK5SAFxxx (xxx : any numeral)

We HGST Japan, Ltd., declare under our sole responsibility that the above named products, manufactured by :

HGST

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

- LVD Directive : 2006/95/EC
- EMC Directive : 2004/108/EC.
- RoHS Directive : 2011/65/EU

**Applied harmonized standards :**

- EN 60950-1:2006+A11:2009+A1:2010+A12:2011 See Note 1)
- EN55022:2010 Class B See Note 2)
- EN55024:2010 See Note 2)
- EN 50581: 2012 / RoHS Technical file

**Supplementary Information :**

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

TUV RHEINLAND JAPAN Ltd.  
Shin-Yokohama Daini Center Bldg. 9F  
19-5, Shin-Yokohama 3-chome  
Kouboku-ku, Yokohama-shi,  
Kanagawa-ken, 222-0033 Japan

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

CE Marking Date : 2012

Signed : K. Wajima for Numata  
Tsutomu Numata  
General Manager, DT/M PMC, Fujisawa

Place of issue : HGST Japan, Ltd. .  
1, Kirihara-cho, Fujisawa-shi, Kanagawa-ken,  
252-0888 Japan

Date of issue : Sep. 14, 2012

## Zertifikat Certificate



Zertifikat Nr. Certificate No. R 50024840  
Blatt Page 0035

Ihr Zeichen Client Reference	Unser Zeichen Our Reference	Ausstellungsdatum Date of Issue	Date of Issue (day/month/year)
1207355	ZJL-YOT- 12004968 039	11.09.2012	

**Genehmigungsinhaber License Holder**  
HGST Japan, Ltd.  
1 Kirihara-cho  
Fujisawa-shi, Kanagawa  
252-0888 JAPAN

**Fertigungsstätte Manufacturing Plant**  
HGST (Thailand), Ltd.  
203, 205 Moo 7 Tambon Tha Tum  
Amphur Srimahaphote  
Prachinburi 25140  
Thailand

### Prüfzeichen Test Mark

Geprüft nach Tested acc. to  
EN 60950-1:2006+A11+A1+A12



**Zertifiziertes Produkt (Geräteidentifikation)**  
**Certified Product (Product Identification)**

**Lizenzentgelte - Einheit**  
**License Fee - Unit**

Plattenspeicher Hard Disk Drive, as page 0001

### Changes

Test Requirement : EN 60950-1:2006+A11  
Name and Address : Hitachi Global Storage Technologies  
of License Holder Japan, Ltd. Fujisawa Plant  
1 Kirihara-cho, Fujisawa-shi,  
Kanagawa 252-8588, Japan  
Name and Address : Hitachi Global Storage Technologies  
of Factory (Thailand), Ltd.  
203, 205 Moo 7 Tambon Tha Tum, Amphur  
Srimahaphote, Prachinburi 25140, Thailand

changed to : (see above)

### Addition

Type Designation : TK5SAFnnn  
n = 0-9  
Rated Current : 700mA

1

1



### ANLAGE (Appendix): 1.3

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.

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

Zertifizierungsstelle

Dipl.-Ing. (FH) M. Geiser

**Zertifikat Certificate**



Zertifikat Nr. *Certificate No.*  
R 50024840

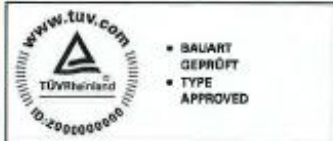
Blatt *Page*  
0036

Ihr Zeichen <i>Client Reference</i>	Unser Zeichen <i>Our Reference</i>	Ausstellungsdatum <i>Date of Issue</i>	<i>(day/mo/yr)</i>
1207355	ZJL-YOT- 12004968 039	11.09.2012	

**Genehmigungsinhaber *License Holder***  
HGST Japan, Ltd.  
1 Kirihara-cho  
Fujisawa-shi, Kanagawa  
252-0888 JAPAN

**Fertigungsstätte *Manufacturing Plant***  
Hitachi Global Storage Products  
(Shenzhen) Co., Ltd.  
1 Jinxiu RD West  
Shenzhen Export Processing Zone  
Pingshan District  
Shenzhen Guangdong 518118  
P.R. China

**Prüfzeichen *Test Mark***



Geprüft nach *Tested acc. to*  
EN 60950-1:2006+A11+A1+A12

**Zertifiziertes Produkt *(Geräteidentifikation)***  
***Certified Product (Product Identification)***

**Lizenzentgelte - Einheit**  
***License Fee - Unit***

Plattenspeicher Hard Disk Drive, as page 0001

**Changes**

Name and Address : Hitachi Global Storage Technologies  
of Factory (Thailand), Ltd. Chonburi Plant  
336 Moo 10 Sukhumvit Rd., Bangphra,  
Sriracha, Chonburi 20110, Thailand

changed to : HGST (Thailand), Ltd.  
336 Moo 10 Sukhumvit RD., Bangphra,  
Sriracha, Chonburi 20110, Thailand

Address of : Hitachi Global Storage Products  
Factory (Shenzhen) Co., Ltd.  
#3001 Jinxiuxi Road Longgang District,  
Shenzhen 518118, P.R. China

changed to : (see above)



**Zertifizierungsstelle**

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.

**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**  
Tel.: (+49/221)8 06 - 13 71 e-mail: cert-validity@de.tuv.com  
Fax: (+49/221)8 06 - 39 35 http://www.tuv.com/safety

**Dipl.-Ing. (FH) M. Geiser**



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) TK5SAF150

Commodity Type (Model)

(2) TK5SAF120

符合之檢驗標準及版次： CNS 13438(C6357),乙類(95 年完整版)

Standard(s) and version

試驗報告編號： K1273006

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

DATE



101



8 月 28 日

(month)

(day)

E928-E444-A921-17F4

방송통신기자재등의 적합등록 필증

*Registration of Broadcasting and Communication Equipments*

상호 또는 성명 <i>Trade Name or Registrant</i>	HGST Japan, Ltd.
기기 명칭 <i>Equipment Name</i>	Hard Disk Drive
기본모델명 <i>Basic Model Number</i>	TK5SAF150
파생모델명 <i>Series Model Number</i>	TK5SAF120
등록번호 <i>Registration No.</i>	KCC-REM-HTB-TK5SAF150
제조사/제조(조립)국가 <i>Manufacturer/Country of Origin</i>	HGST Japan, Ltd. / 일본, 태국, 중국, 싱가포르
등록연월일 <i>Date of Registration</i>	2012-08-29
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.

2012년(Year) 08월(Month) 29일(Date)

국립전파연구원장



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

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.  
위반시 과태료 처분 및 등록이 취소될 수 있습니다.



**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**

HGST Travelstar 5K1500.  
2.5 Inch 5400 RPM 6.0 Gbps SATA Interface Hard Disk Drive

Type Names: TK5SAF 150  
TK5SAF 120

**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 : 2010 Class B

EMC Test Report Number: K1273002 Dated August 22<sup>nd</sup> 2012  
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

September 5<sup>th</sup> 2012