Ultrastar® SN200 Series

NVMe™-compliant PCIe SSDs

Agency Compliance Certificates

April 2017

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Ultrastar SN200 Series – NAND Type: MLC

Products and Model Numbers:

Ultrastar SN200: HUSMR76*xx*BDP301
Ultrastar SN260: HUSMR76*xx*BHP3*x*1

Contents:

- EMI Compliance
- USA- UL
- EU- CE, ICES and VCCI Declaration of Conformity
- Taiwan – BSMI
- Australia – RCM Cert
- EU – TUV
- Korea - KCC

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UL CB Certificate

Ref. Certif. No.

DK-81623-UL

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CB D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

Product
Produit

Solid State Drive

Name and address of the applicant
Nom et adresse du demandeur

HGST SINGAPORE PTE LTD
8 KAKI BUKIT AVE 1,
#04-00
SINGAPORE 417941 SINGAPORE

Name and address of the manufacturer
Nom et adresse du fabricant

HGST SINGAPORE PTE LTD
8 KAKI BUKIT AVE 1,
#04-00
SINGAPORE 417941 SINGAPORE

Name and address of the factory
Nom et adresse de l'usine

SANDISK STORAGE MALAYSIA SDN. BHD.
PLOT 3014, PERSIARAN CASIA SELATAN 1, TAMAN
PERINDUSTRIAN BATU KAWAN, MK 13, BATU KAWAN,
SIMPANG PERAK SELATAN PULAU PINANG 14100
MALAYSIA

Additional information on page 2

Ratings and critical characteristics
Valeurs nominales et caractéristiques critiques

(Optional)
12 Vdc

Trademark (if any)
Marque de fabrique (si elle existe)

HGST

Type of Manufacturer's Testing Laboratories used
Type de laboratoire du fabricant utilisés

Model / Type Ref.
Ref. De type

HUSMR76xxBDP301, HUSMR76xxBHP301
See Page 2

Additional information (if necessary see also Annex)
Renseignements complémentaires (si nécessaire, voir aussi l'Annexe)

Additionally evaluated to IEC 60950-1:2005 (AM 1):2006 (AM 2):2013 (AM 3):2013 (AM 4):2013. National Differences specified in the CB Test Report.

Additional information on page 2

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 constaté conforme à la

IEC 60950-1(ed 2), IEC 60950-1(ed 2)/am1, IEC 60950-1(ed 2)/am2

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

E213300-A28-CB-1 issued on 2017-02-23

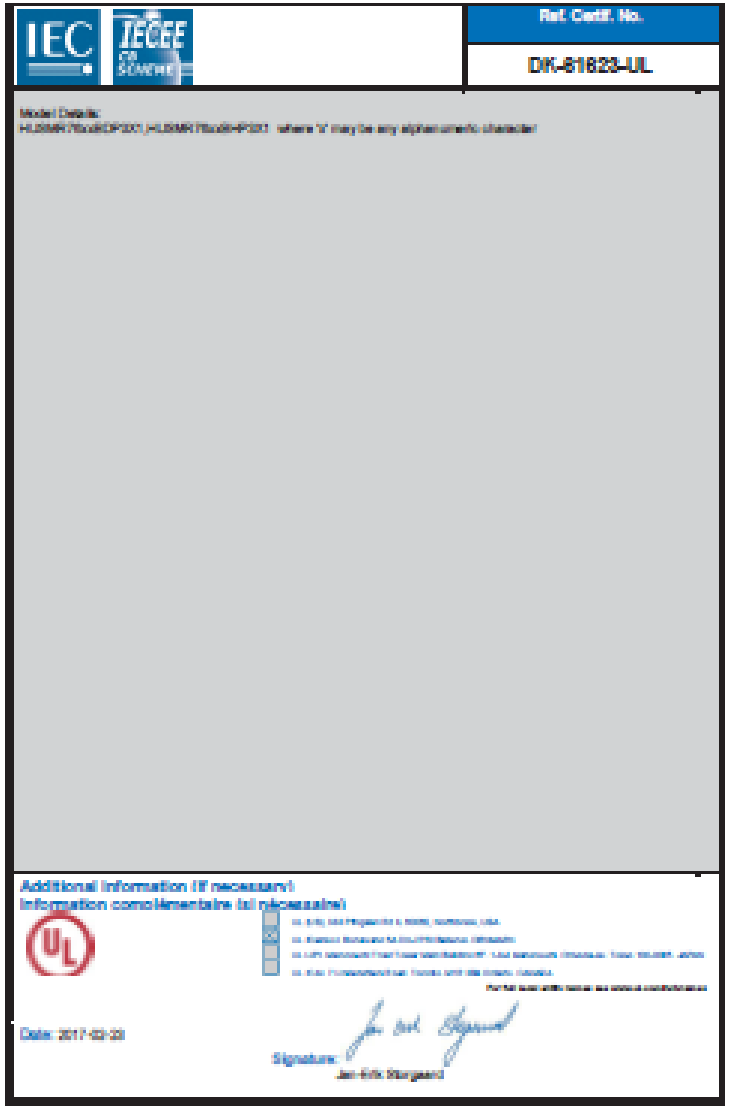
This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Date: 2017-02-23

Signature:

Jan-Erik Mangaard

1/2



Ref. Certif. No.

DK-81623-UL

Model Details:
HUSMR76xxBDP301 / HUSMR76xxBHP301 where 'x' may be any alphanumeric character

Additional information (if necessary)
Information complémentaire (si nécessaire)

Date: 2017-02-23

Signature:

Jan-Erik Mangaard

2/2

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USA UL CERTIFICATION

CERTIFICATE OF COMPLIANCE

Certificate Number 20170227-E213900
Report Reference E213900-A24-UL
Issue Date 2017-FEBRUARY-27

Issued to: HGST SINGAPORE PTE LTD
8 KAKI BUKIT AVE 1, 04-06
SINGAPORE 417941 SINGAPORE

This is to certify that representative samples of: COMPONENT - INFORMATION TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT
See Addendum Page for Models

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1, Information Technology Equipment - Safety - Part 1: General Requirements
CAN/CSA C22.2 No. 60950-1-07, Information Technology Equipment - Safety - Part 1: General Requirements

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark "RA" may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Page 1 of 2

CERTIFICATE OF COMPLIANCE

Certificate Number 20170227-E213900
Report Reference E213900-A24-UL
Issue Date 2017-FEBRUARY-27

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Solid State Drive
HUSMR76xxBHPSX1 and HUSMR76xxBDPSX1 where 'x' may be any alphanumeric character

Page 2 of 2

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EU DoC – ICES, VCCI, FCC

EU DECLARATION OF CONFORMITY

In accordance with Decision No 768/2008/EC

Drive Type Solid State Drive
Product Name Ultrastar
Product Series SN200 and SN260
Product Model HUSMR76xxBHP3x1 and HUSMR76xxBDP3x1 where 'x' may be any alphanumeric character

We HGST Singapore LTE. 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 (effective as of February 27, 2017)

EMC Directive	2014/30/EU
Low Voltage Directive	2014/35/EU
RoHS Directive	2011/65/EU
	Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Applied Standards :

EN 60950-1	: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2:2013
EN 55032	: 2015
EN 55024	: 2010
EN 50581	: 2012

Signed :

Matthew Young

Quality Assurance Program Manager

Place of issue: HGST SINGAPORE PTE LTD
8 KAKI BUKIT AVE 1, #04-06
SINGAPORE 417941
SINGAPORE

Date of issue: March 20, 2017

Address in EU:
HGST EUR, LTD. / MARIE CURIEWEG 20, ROERMOND,
LIMBURG, 6045 GH, NETHERLANDS

HGST, a Western Digital Brand
3403 Yerba Buena Road, San Jose, CA 95135 408-717-6000
www.hgst.com

Product Safety Standards Supplementary Information on HGST Hard Disk Drive / Solid State Drive

Drive Type Solid State Drive
Product Name Ultrastar
Product Series SN200 and SN2600
Product Model HUSMR76xxBHP3x1 and HUSMR76xxBDP3x1 where 'x' may be any alphanumeric character

We HGST Singapore LTE. LTD. declare the above named product demonstrates compliance with the requirements of following standards and voluntary control measures.

ICES-003 Issue 6: 2016 Class B
VCCI (V-3/2015.04) Class B
FCC Part 15 Subpart B Class B Digital Device

Note on FCC : This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Place of issue: HGST SINGAPORE PTE LTD
8 KAKI BUKIT AVE 1, #04-06
SINGAPORE 417941
SINGAPORE

Date of issue: March 20, 2017

HGST, Inc.
5601 Great Oaks Parkway
San Jose, CA 95119-1003 USA 408-717-6000
www.hgst.com

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TUV - EU

IEC IECEE CB SCHEME

Ref. Certif. No.
US-TUVR-9965-A3

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D' ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE

CERTIFICAT D'ESSAI OC

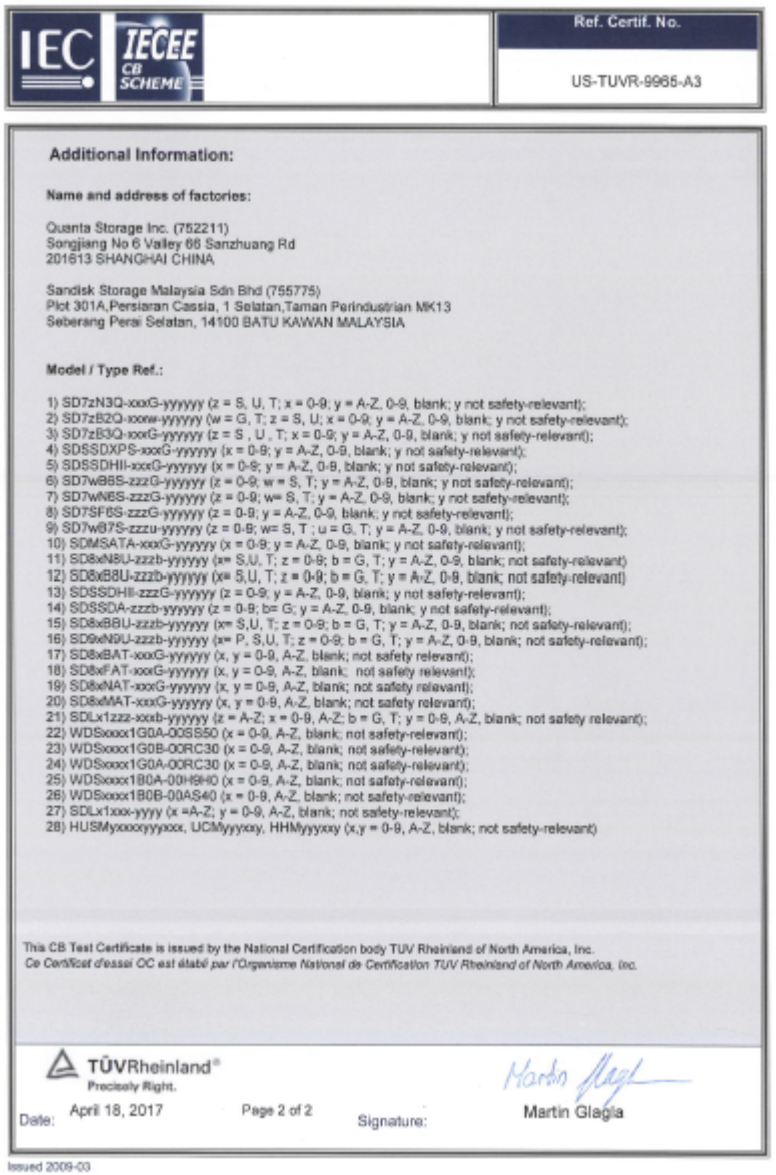
Product Produit	SSD
Name and address of the applicant Nom et adresse du demandeur	Western Digital Technologies Inc. 951 Sandisk Drive Milpitas, CA 95035 US
Name and address of the manufacturer Nom et adresse du fabricant	same as applicant
Name and address of the factory Nom et adresse de l'usine Note: When more than one factory, please report on page 2 Note: Lorsque il y plus d'une usine, veuillez utiliser la 2ème page	Additional Information, see page 2
Ratings and principal characteristics Valeurs nominales et caractéristiques principales	Class II
Trademark (if any) Marque de fabrique (si elle existe)	1)-21),27) SanDisk, 22)-26) Western Digital, 28) HGST
Model / Type Ref. Ref. De Type	Additional Information, see page 2
Additional information (if necessary, may also be reported on page 2) Les informations complémentaires (si nécessaire, peuvent être indiqués sur la 2ème page)	Re-issuance of CB Certificate US-TUVR-9965 due to 3rd modification (addition of trademark and model/type ref.). See associated test report for details.
A sample of the product was tested and found to be in conformity with IEC Un échantillon de ce produit a été essayé et a été considéré conforme à la CEI	IEC 60950-1+Amd1+Amd2 2nd Edition (2005)
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	31383171.044

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

TÜVRheinland®
Precisely Right.

Date: April 18, 2017 Page 1 of 2 Signature: Martin Glagla

Issued 2009-03



IEC IECEE CB SCHEME

Ref. Certif. No.
US-TUVR-9965-A3

Additional Information:

Name and address of factories:

Quanta Storage Inc. (752211)
Songjiang No 6 Valley 66 Sanzhuang Rd
201613 SHANGHAI CHINA

Sandisk Storage Malaysia Sdn Bhd (755775)
Plot 301A,Persiaran Cassia, 1 Selatan,Taman Perindustrian MK13
Seberang Perai Selatan, 14100 BATU KAWAN MALAYSIA

Model / Type Ref.:

1) SD7zN3Q-xxxG-yyyyyy (z = S, U, T; x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
2) SD7zB2Q-xxxw-yyyyyy (w = G, T; z = S, U; x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
3) SD7zB3Q-xxxG-yyyyyy (z = S , U , T; x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
4) SDSSDXPS-xxxG-yyyyyy (x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
5) SDSSDHII-xxxG-yyyyyy (x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
6) SD7wB8S-zzzG-yyyyyy (z = 0-9; w = S, T; y = A-Z, 0-9, blank; y not safety-relevant);
7) SD7wN8S-zzzG-yyyyyy (z = 0-9; w= S, T; y = A-Z, 0-9, blank; y not safety-relevant);
8) SD7SF6S-zzzG-yyyyyy (z = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
9) SD7wB7S-zzzu-yyyyyy (z = 0-9; w= S, T ; u = G, T; y = A-Z, 0-9, blank; y not safety-relevant);
10) SDMSATA-xxxG-yyyyyy (x = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
11) SD8xN8U-zzzb-yyyyyy (x= S,U, T; z = 0-9; b = G, T; y = A-Z, 0-9, blank; not safety-relevant)
12) SD8xB8U-zzzb-yyyyyy (x= S,U, T; z = 0-9; b = G, T; y = A-Z, 0-9, blank; not safety-relevant)
13) SDSSDHII-zzzG-yyyyyy (z = 0-9; y = A-Z, 0-9, blank; y not safety-relevant);
14) SDSSDA-zzzb-yyyyyy (z = 0-9; b= G; y = A-Z, 0-9, blank; y not safety-relevant);
15) SD8xB8U-zzzb-yyyyyy (x= S,U, T; z = 0-9; b = G, T; y = A-Z, 0-9, blank; not safety-relevant);
16) SD9xN9U-zzzb-yyyyyy (x= P, S,U, T; z = 0-9; b = G, T; y = A-Z, 0-9, blank; not safety-relevant);
17) SD8xBAT-xxxG-yyyyyy (x, y = 0-9, A-Z, blank; not safety relevant);
18) SD8xFAT-xxxG-yyyyyy (x, y = 0-9, A-Z, blank; not safety relevant);
19) SD8xNAT-xxxG-yyyyyy (x, y = 0-9, A-Z, blank; not safety relevant);
20) SD8xMAT-xxxG-yyyyyy (x, y = 0-9, A-Z, blank; not safety relevant);
21) SDLx1zzz-xxxb-yyyyyy (z = A-Z; x = 0-9, A-Z; b = G, T; y = 0-9, A-Z, blank; not safety relevant);
22) WDSxxxx1G0A-00SS50 (x = 0-9, A-Z, blank; not safety-relevant);
23) WDSxxxx1G0B-00RC30 (x = 0-9, A-Z, blank; not safety-relevant);
24) WDSxxxx1G0A-00RC30 (x = 0-9, A-Z, blank; not safety-relevant);
25) WDSxxxx1B0A-00H9H0 (x = 0-9, A-Z, blank; not safety-relevant);
26) WDSxxxx1B0B-00AS40 (x = 0-9, A-Z, blank; not safety-relevant);
27) SDLx1xxx-yyyy (x =A-Z; y = 0-9, A-Z, blank; not safety-relevant);
28) HUSMyxxxxyyyxxx, UCMyyyxxy, HHMyyyxxy (x,y = 0-9, A-Z, blank; not safety-relevant)

This CB Test Certificate is issued by the National Certification body TUV Rheinland of North America, Inc.
Ce Certificat d'essai OC est établi par l'Organisme National de Certification TUV Rheinland of North America, Inc.

TÜVRheinland®
Precisely Right.

Date: April 18, 2017 Page 2 of 2 Signature: Martin Glagla

Issued 2009-03

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BSMI - TAIWAN

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：新加坡商昱科環球儲存股份有限公司台灣分公司
Obligatory Applicant

地址：台北市松山區敦化北路167號5樓
Address

電話：02-3518-1681
Telephone

商品中（英）文名稱：(中文) 固態硬盤
Commodity Name

(英文) SOLID STATE DRIVE

商品型式（或型號）：HUSMR7616BHP301; HUSMR7619BHP3Y1; HUSMR7632BHP301;
Commodity Type（Model） HUSMR7638BHP3Y1; HUSMR7664BHP301; HUSMR7676BHP3Y1;

符合之檢驗標準及版次：CNS 13438:2006 (95年完整版)
Standard(s) and version

試驗報告編號：JS2016-003535-CNS
Test Report Number

試驗室名稱及代號：UL INTERNATIONAL-SINGAPORE PTE LTD
Testing laboratory name and designation number

(代號) SL2-IN-E-6023R

符合性聲明檢驗標識及識別號碼：
The form of the DoC marking appears like this

或 or

D33373

(D 字軌下方欄位之填寫僅適用電機電子類商品)

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：新加坡商昱科環球儲存股份有限公司台灣分公司（簽章）
Obligatory Applicant (Signature)

中華民國 106 年 02 月 17 日
DATE (year) (month) (day)

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：新加坡商昱科環球儲存股份有限公司台灣分公司
Obligatory Applicant

地址：台北市松山區敦化北路167號5樓
Address

電話：02-3518-1681
Telephone

商品中（英）文名稱：(中文) 固態硬盤
Commodity Name

(英文) SOLID STATE DRIVE

商品型式（或型號）：HUSMR7680BDP301; HUSMR7696BDP3Y1; HUSMR7616BDP301;
Commodity Type（Model） HUSMR7619BDP3Y1; HUSMR7632BDP301; HUSMR7638BDP3Y1;
HUSMR7664BDP301; HUSMR7676BDP3Y1

符合之檢驗標準及版次：CNS 13438:2006 (95年完整版)
Standard(s) and version

試驗報告編號：JS2016-003535-CNS
Test Report Number

試驗室名稱及代號：UL INTERNATIONAL-SINGAPORE PTE LTD
Testing laboratory name and designation number

(代號) SL2-IN-E-6023R

符合性聲明檢驗標識及識別號碼：
The form of the DoC marking appears like this

或 or

D33373

(D 字軌下方欄位之填寫僅適用電機電子類商品)

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。

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報驗義務人：新加坡商昱科環球儲存股份有限公司台灣分公司（簽章）
Obligatory Applicant (Signature)

中華民國 106 年 02 月 17 日
DATE (year) (month) (day)

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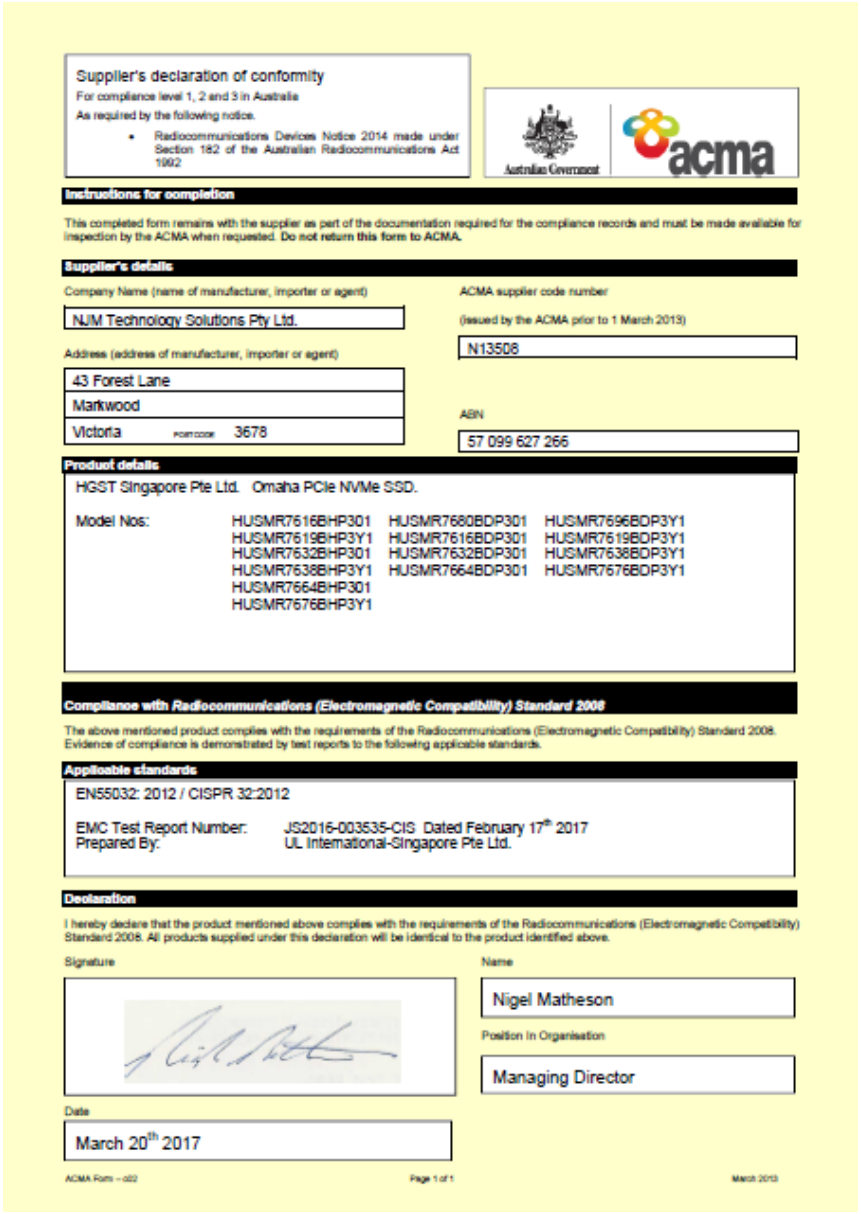
RCM - AUSTRALIA



Supplier's declaration of conformity

For compliance level 1, 2 and 3 in Australia

As required by the following notice.

- Radiocommunications Devices Notice 2014 made under Section 182 of the Australian Radiocommunications Act 1992

Australian Government

acma

Instructions for completion

This completed form remains with the supplier as part of the documentation required for the compliance records and must be made available for inspection by the ACMA when requested. **Do not return this form to ACMA.**

Supplier's details

Company Name (name of manufacturer, importer or agent)

NJM Technology Solutions Pty Ltd.

ACMA supplier code number

(issued by the ACMA prior to 1 March 2013)

N13508

Address (address of manufacturer, importer or agent)

43 Forest Lane

Markwood

Victoria POST CODE 3678

ABN

57 099 627 266

Product details

HGST Singapore Pte Ltd. Omaha PCIe NVMe SSD.

Model Nos:

HUSMR7616BHP301
HUSMR7619BHP3Y1
HUSMR7632BHP301
HUSMR7638BHP3Y1
HUSMR7664BHP301
HUSMR7676BHP3Y1
HUSMR7680BDP301
HUSMR7616BDP301
HUSMR7632BDP301
HUSMR7664BDP301
HUSMR7696BDP3Y1
HUSMR7619BDP3Y1
HUSMR7638BDP3Y1
HUSMR7676BDP3Y1

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

EN55032: 2012 / CISPR 32:2012

EMC Test Report Number: JS2016-003535-CIS Dated February 17th 2017
Prepared By: UL International-Singapore Pte 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

March 20th 2017

ACMA Form – c02 Page 1 of 1 March 2013

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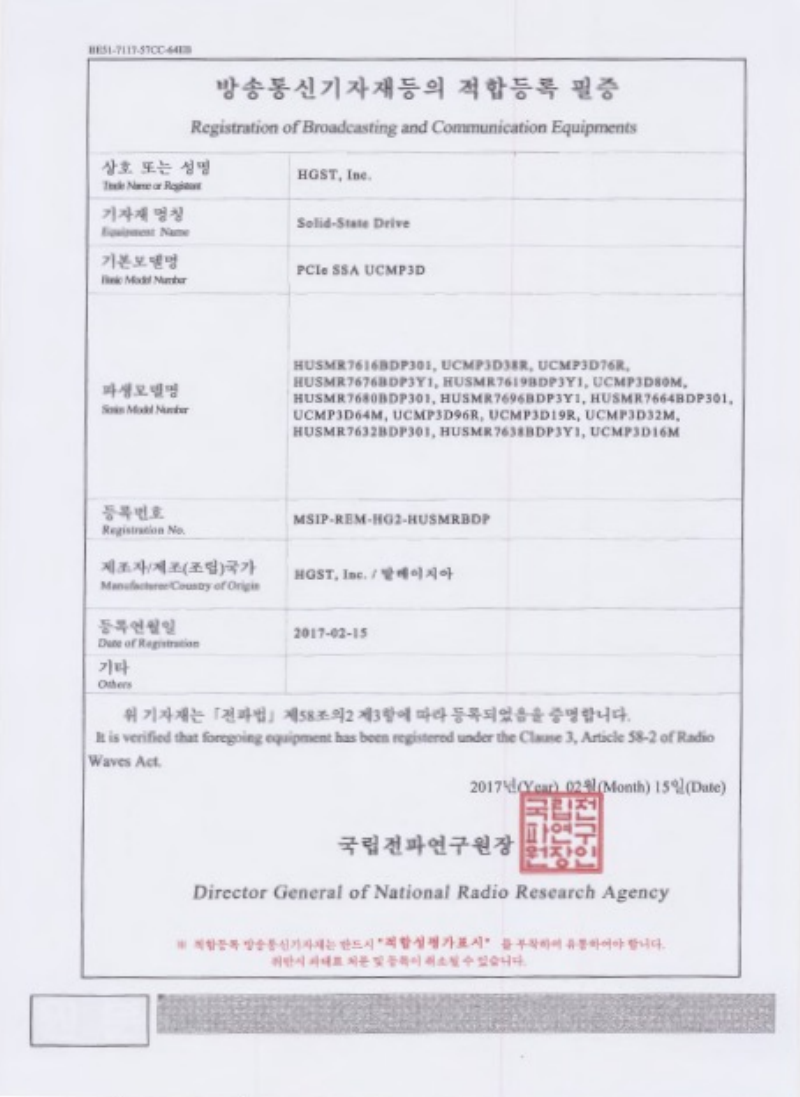
KCC - KOREA



방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	HGST, Inc.
기자재 명칭 Equipment Name	Solid-State Drive
기본모델명 Basic Model Number	PCIe SSA UCMP3D
파생모델명 Strain Model Number	HUSMR7616BDP301, UCMP3D38R, UCMP3D76R, HUSMR7676BDP3Y1, HUSMR7619BDP3Y1, UCMP3D80M, HUSMR7680BDP301, HUSMR7696BDP3Y1, HUSMR7664BDP301, UCMP3D64M, UCMP3D96R, UCMP3D19R, UCMP3D32M, HUSMR7632BDP301, HUSMR7638BDP3Y1, UCMP3D16M
등록번호 Registration No.	MSIP-REM-HG2-HUSMRBDP
제조자/제조(조립)국가 Manufacturer/Country of Origin	HGST, Inc. / 말레이지아
등록연월일 Date of Registration	2017-02-15
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.

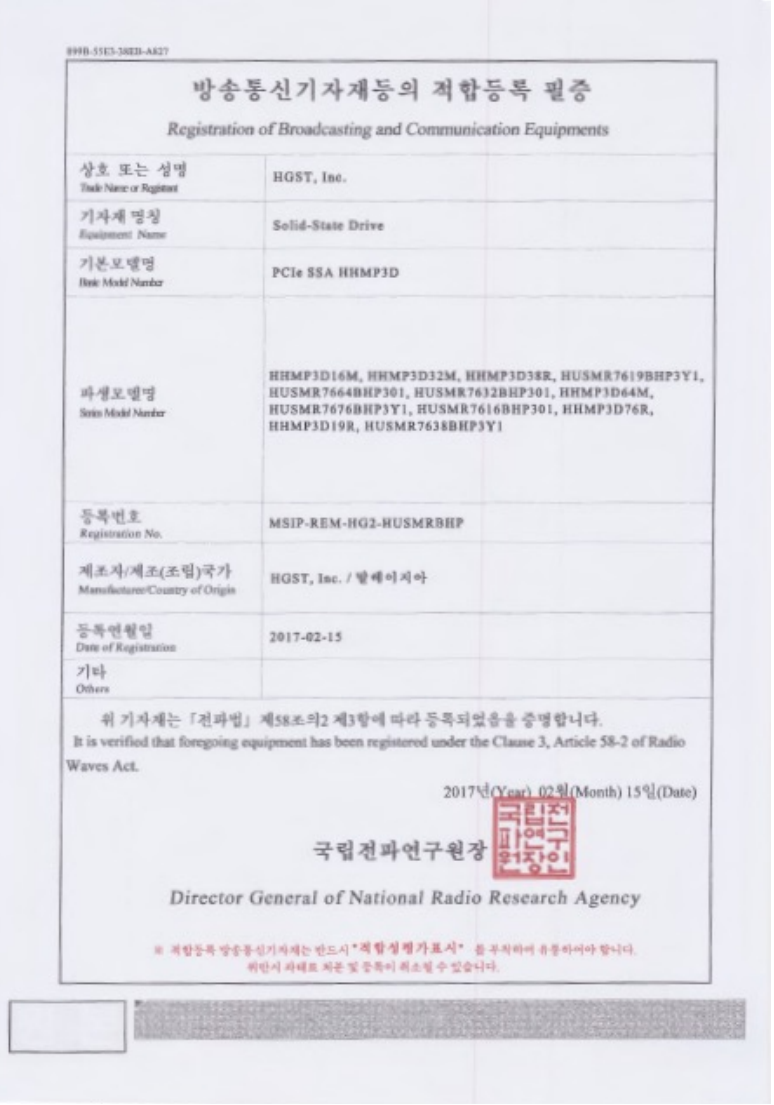
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2017년(Year) 02월(Month) 15일(Date)

국립전파연구원장

Director General of National Radio Research Agency

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



방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	HGST, Inc.
기자재 명칭 Equipment Name	Solid-State Drive
기본모델명 Basic Model Number	PCIe SSA HHMP3D
파생모델명 Strain Model Number	HHMP3D16M, HHMP3D32M, HHMP3D38R, HUSMR7619BHP3Y1, HUSMR7664BHP301, HUSMR7632BHP301, HHMP3D64M, HUSMR7676BHP3Y1, HUSMR7616BHP301, HHMP3D76R, HHMP3D19R, HUSMR7638BHP3Y1
등록번호 Registration No.	MSIP-REM-HG2-HUSMRBHP
제조자/제조(조립)국가 Manufacturer/Country of Origin	HGST, Inc. / 말레이지아
등록연월일 Date of Registration	2017-02-15
기타 Others	

위 기자재는 「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.

2017년(Year) 02월(Month) 15일(Date)

국립전파연구원장

Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.
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