

Ultrastar SS300 MLC-NAND models

Agency Compliance Certificates
February 2017



Ultrastar SS300 MLC-NAND SAS SSD

Model Numbers:

HUSMM32xxASS2xx and HUSMR32xxASSxx

Contents:

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



EMI COMPLIANCE



TEST REPORT

Report Number: 102644202MPK-001 Project Numbers: G102644202 Original Issue Date: September 12, 2016 Revision Issue Date: November 14, 2016

Testing performed on the Ultrastar SS300 Model Numbers:

HUSMM3232ASS200, HUSMM3216ASS200, HUSMM3280ASS200, HUSMM3240ASS200, HUSMR3232ASS200, HUSMR3216ASS200, HUSMR3280ASS200, and HUSMR3240ASS200

> Models Not Tested but declared equivalent by the client: HUSMH4020ASS210, HUSMH4020ASS200, HUSMH4010ASS200

EN 55032: 2012/AC: 2013; EN 55024: 2010/A1: 2015 EN 61000-3-2: 2006/A1: 2009/A2: 2009 ; EN 61000-3-3: 2013 AS/NZS CISPR32: 2012

FCC Part 15, Subpart B; Industry Canada ICES-003 VCCI V-3/2015-04 CNS 13438: 2010

Class: B

For

HGST, Inc.

Test Performed by: 1365 Adams Court Menlo Park, CA 94025 USA

Test Authorized by: HGST, Inc. 5601 Great Oaks Parkway San Jose, CA 95119 USA

November 14, 2016

November 14, 2016

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EMC Report for HGST, Inc. on the Ultrastar SS300

File: 102644202MPK-001

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VERIFICATION OF COMPLIANCE Report No. 102644202MPK-001

Verification is hereby issued to the named APPLICANT and is VALID ONLY for the Equipment identified hereon for use under the rules and regulations listed below.

Equipment Under Test:

Trade Name Model Numbers: Ultrastar SS300

HUSMM3232ASS200, HUSMM3216ASS200, HUSMM3280ASS200, HUSMM3240ASS200, HUSMR3232ASS200, HUSMR3216ASS200, HUSMR3280ASS200, and HUSMR3240ASS200

Models Not Tested

but declared equivalent by the client:

HUSMH4020ASS210, HUSMH4020ASS200,

HUSMH4010ASS200

HGST, Inc. Applicant: Ravinder Ajmani Contact: 5601 Great Oaks Parkway Address: San Jose, CA 95119 Country (408) 717-7956 Tel. number

Fax number: (408) 717-9876 ravinder.ajmani@hgst.com Email:

Applicable Regulation:

EN 55032: 2012/AC: 2013, EN 55024: 2010/A1: 2015 EN 61000-3-2: 2006/A1: 2009/A2: 2009 EN 61000-3-3: 2013, AS/NZS CISPR32: 2012 FCC Part 15 Subpart B

Industry Canada ICES-003 Issue 6 VCCI V-3/2015-04, CNS 13438: 2010

Equipment Class: Class B

Date of Test: August 23 - 31, 2016

We attest to the accuracy of this report (Original Issue):

Aaron Chang

Project Engineer

Krishna Vemuri Engineer Team Leader

We attest to the accuracy of this report (Revision 2.0):

Aaron Chang

Project Engineer

Krishna Vemuri Engineer Team Leader

EMC Report for HGST, Inc. on the Ultrastar SS300

File: 102644202MPK-001

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USA

UL CERTIFICATION

CERTIFICATE OF COMPLIANCE

Certificate Number 20161129-E240353 Report Reference E240353-A23-UL Issue Date 2016-NOVEMBER-29

HGST, A WESTERN DIGITAL COMPANY

5601 GREAT OAKS PKWY SAN JOSE CA 95119-1003

representative samples of

This is to certify that 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

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: The 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

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.

Barrelle



CERTIFICATE OF COMPLIANCE

Certificate Number 20161129-E240353 Report Reference E240353-A23-UL Issue Date 2016-NOVEMBER-29

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 (SSD) Ultrastar SS300 Series Model HUSMyxxxxASS20x, HUSMyxxxxASS21x, Type UCMSSCxxy Where "x" is a one digit number 0-9 and "y" is letter H, M, or R.

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Page 2 of 2

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 SS300

Product Model HUSMyxxxxASS20x, where "x" is a one digit number 0.9 and "y" is letter H, M,

Product Type UCMSSCxxy, where "x" is a one digit number 0-9 and "y" is letter H, M, or R

We HGST, Inc. 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 April 20, 2016)

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:

: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2:2013

EN 55032 EN 55024 EN 50581

Signed:

R. ang Mudhille Angus MacMillan

Quality Assurance Program Manager

Place of issue: HGST, Inc.

5601 Great Oaks Parkway San Jose, CA 95119-1003 USA

Date of issue: November 4, 2016

HGST EUR, LTD. / MARIE CURIEWEG 20, ROERMOND.

LIMBURG 6045 GH NETHERLANDS

HGST, a Western Digital Brand 5405 Yerba Buena Road, San Jose, CA 95155 408-717-5000 www.heat.com



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

Drive Type Solid State Drive Product Name Ultrastar Product Series

Product Model HUSMyxxxxASS20x, where "x" is a one digit number 0-9 and "y" is

letter H. M. or R

Product Type UCMSSCxxy, where "x" is a one digit number 0-9 and "y" is letter H,

We HGST, Inc. 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 FOC: This device complies with part 15 of the FOC 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 underired operation

Place of issue: HGST, Inc.

5601 Great Oaks Parkway

San Jose, CA 95119-1003 USA

October 5, 2016 Date of issue:

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



TUV - EU





BSMI - TAIWAN

符合性聲明書

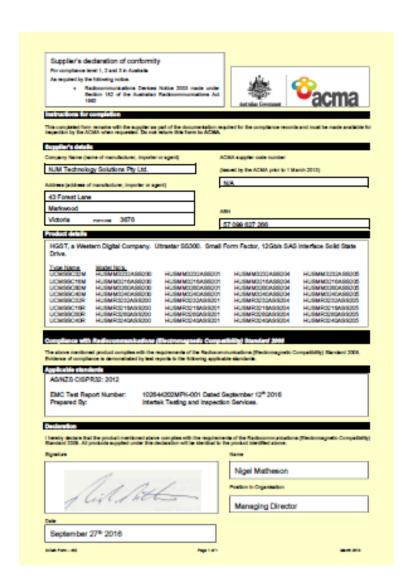
Declaration of Conformi

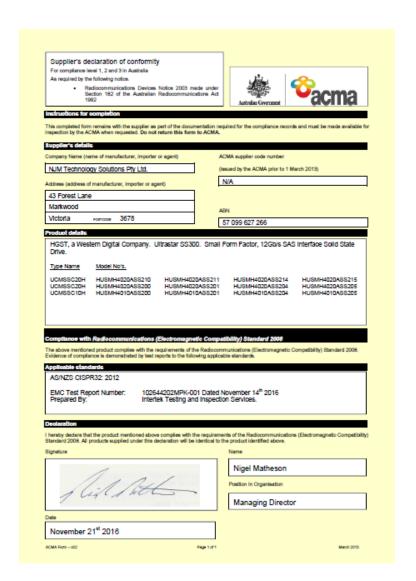
Geboots Lyets	編 统
Colo of the applicant	Number
D33373	

本符合性聲明書應依商品檢驗法規定情齊相關技術文件後給得簽具 Photos check all the rested technical documents in accordance with the Commodity Impection Act before signing the form.

報驗義務		□校商!	是科理球儲	存股份	有限公司	台灣分分	を可	
Dbligatory Appl 地址: Approves		市松丘	區敦化北區	各 167 5	疣5樓			
電話:	02-3	518-16	381					
Telephone 商品中(3 Commodity Nam	英) 文名	稱:_	(中文) 問	施硬碟				
consulty real			(英文) 80(LID STA	ATE DRIV	/E		
商品型式	(成型號): <u>H</u> L	JSMM32xx	ASS20	x, HUSI	//R32xx/A	ASS20x	
Commedity Typ	e (Model)		ISMH4020 HUSMH4				ASS21x	
符合之植(Standard)() and		振次:	CNS1343	8: 2010)			
試驗報告i	原於 :	10	26442021	MPK-00)1			
	解及代號		tek Testing	g Servi	ces NA, I	nc.		
	,		E) SL2-IN-	E-044F	3			
符合性聲: The form of the			別號碼: ke tha	D	33373			
			橡験法符(相關法律)		月之規定	若因違	反本聲	判書
Thereby declare	that the listed o	anmedity o	onforms to Declar	ation of Carl	tomity requires	write stipulated	in the Come	rodity
Inspection Act. Is	agree to take a	ry legni sôl	gations should sig	lations again	at the Declarati	an of Cantenni	by occur.	
報驗義務. Obligatory Appl		按商	見科理球儲	存股份	e sala			簽章) gnature)
中華	民	100	105	年	11	月	18	В
DATE				(year)		(month)		(clay)

RCM - AUSTRALIA





DESH-END-DRAD-RODG 방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments 살호 또는 설명 HOST, Inc. Took Name or Popietant 기자재 명칭 Solid State Drive Equipment Name 기본모델명 HUSMH4018ASS200 Built Model Number 파생모델인 HUSMH4010ASS204, HUSMH4010ASS201, HUSMH4010ASS205 Sein Maid Narbr 등목번호 MSIP-REM-HG2-HUSMH4010ASS20 Ergistration No. 제조자(제조(조립)국가 HOST, Inc. / 매국, 생가보프, 중국 Manufecturer Country of Origin 등록변원일 Date of Expirement 2016-11-03 기타 Others 위 기차제는 「전화법」제58조의2 제3항에 따라 등록되었음을 증명합니다. It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Wares Act. 2016 (Crear) 11 (Month) 03 (EDute) Director General of National Radio Research Agency 요. 적합문의 방송등신기가에는 먼도시"**의 발생생가보시**". 중 부탁하여 수등하여야 합니다. 계반시 과데로 제한 및 장목이 위소된 수 있습니다.



6EF2-1C92-3545-11ED

Pagistestian	of Broadcastina and Companyiostica Equipment
Registration	of Broadcasting and Communication Equipments
상호 또는 성명 Nade Name or Registran	HGST, Inc.
기자재 명칭 Equipment Name	Solid State Drive
기본모델명 Basi: Model Number	HUSMH4020ASS210
파생모델명 Seiss Modd Number	HUSMH4020ASS211, HUSMH4020ASS215, HUSMH4020ASS214
등록번호 Registration No.	MSIP-REM-HG2-HUSMH4020ASS21
제조자/제조(조립)국가 Manufacturer:Country of Origin	HGST, Inc. / 배국, 중국, 실가포르
등록연월일 Date of Registration	2016-11-03
기타 Others	
t is verified that foregoing e	제58조의2 제3항에 따라 등록되었음을 증명합니다. quipment has been registered under the Clause 3, Article 58-2 of Radio
/aves Act. Director	2016년(Year) 11월(Month) 03일(Date) 국립전파연구원장 <mark>단장인</mark> General of National Radio Research Agency
	·선기자제는 반드시 "저 합성 평가 표시" 를 부탁하여 유통하여야 합니다. 메반시 과대로 최분 및 등록이 취소될 수 있습니다.



방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments 상호 또는 성명 HGST, Inc. Trade Name or Registrant 기자재 명칭 Solid State Drive 기본모델명 HUSMM3232ASS200 Basic Model Number 파생모델명 HUSMM3232ASS201, HUSMM3232ASS205, HUSMM3232ASS204 Sarios Model Number 등록번호 Registration No. MSIP-REM-HG2-HUSMM3232ASS20 제조자/제조(조립)국가 HGST, Inc. / 태국, 중국, 싱가포르 Manufacturer/Country of Origin 등록연월일 Dute of Registration 2016-11-03 기타 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. 2016년(Year) 11월(Month) 03일(Date) 국립전파연구원장 Director General of National Radio Research Agency ※ 적합등록 항송통신기자재는 반드시 "적합성평가표시" 를 부탁하여 유통하여야 합니다. 위반시 과대료 처분 및 등록이 취소될 수 있습니다.

	통신기자재등의 적합등록 필증 of Broadcasting and Communication Equipments
상호 또는 성명 Each Name or Registers	HGST, Inc.
기자재 명칭 Guipment Name	Solid State Drive
기본모델명 lasi: Modd Number	HUSMM3280ASS200
화생모델명 Raise Model Number	HUSMM3280ASS201, HUSMM3280ASS205, HUSMM3280ASS204
등록번호 Registration No.	MSIP-REM-HG2-HUSMM3280ASS20
제조자/제조(조립)국가 Manufacturer Country of Origin	HGST, Inc. / 대국, 중국, 생가포트
등록연원인 June of Registration	2016-11-03
r]E} htters	
t is verified that foregoing e	제58조의2 제3항에 따라 등록되었음을 증명합니다. quipment has been registered under the Clause 3, Article 58-2 of Radio
aves Act. Director	2016년(Year) 11월(Month) 03일(Date) 국립전파연구원장 <mark>국립전파</mark> 연구원장 General of National Radio Research Agency
	는신기자제는 반드시 "적 합성평가표시 " 를 부착하여 유통하여야 합니다. 위반시 과제로 처분 및 등록이 위스될 수 있습니다.

9DA9-1A28-79AE-3EE7 방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments 상호 또는 성명 HGST, Inc. Trade Name or Registrant 기자재 명칭 Solid State Drive Equipment Name 기본모델명 HUSMR3216ASS200 Basic Model Number 파생모델명 HUSMR3216ASS201, HUSMR3216ASS205, HUSMR3216ASS204 Series Model Number 등록번호 Registration No. MSIP-REM-HG2-HUSMR3216ASS20 제조자/제조(조립)국가 HGST, Inc. / 태국, 싱가포르, 중국 Manufacturer/Country of Origin 등록연월일 2016-11-03 Date of Registration 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. 2016년(Year) 11원(Month) 03일(Date) Director General of National Radio Research Agency ※ 제합등록 방송통신기자재는 반드시 "적합성평가표시"를 부탁하여 유통하여야 합니다. 위반시 과대료 차분 및 등록이 취소될 수 있습니다.

방송	통신기자재등의 적합등록 필증
Registratio	on of Broadcasting and Communication Equipments
상호 또는 성명 Trade Name or Registers	HGST, Inc.
기자재 명칭 Equipment Name	Solid State Drive
기본모델명 Basic Model Number	HUSMR3232ASS200
과생모델명 Series Model Number	HUSMR3232ASS201, HUSMR3232ASS205, HUSMR3232ASS20-
등록번호 Registration No.	MSIP-REM-HG2-HUSMR3232ASS20
계조자/계조(조립)국가 Manufacturer/Country of Origin	HGST, Inc. / 배국, 중국, 실가포므
등록연월일 Date of Registration	2016-11-03
기타 Others	
	3」제58조의2 제3항에 따라 등록되었음을 증명합니다. equipment has been registered under the Clause 3, Article 58-2 of Radio 2016년(Year) 11월(Month) 03일(Dat 국립전파연구원장
Directo	r General of National Radio Research Agency

취반시 파대료 처분 및 등록이 취소될 수 있습니다.



6283-A3C8-B8C6-9844 방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments 상호 또는 성명 HGST, Inc. Took Name or Registers 기자재 명칭 Solid State Drive Equipment Name 기본모델핑 HUSMR3240ASS200 Basic Model Number 과생모델명 HUSMR3240ASS201, HUSMR3240ASS205, HUSMR3240ASS204 Series Model Number 등록번호 Registration No. MSIP-REM-HG2-HUSMR3240ASS20 제조자/제조(조립)국가 HGST, Inc. / 태국, 중국, 심가포트 Manufacturer/Country of Origin 등록연월일 2016-11-03 Date of Registration 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. 2016년(Year) 11월(Month) 03일(Date) Director General of National Radio Research Agency 표 격합등록 방송통신기자제는 만드시 "적합성평가표시"를 부착하여 유통하여야 합니다. 취반시 파데로 처분 및 등록이 취소될 수 있습니다.

7AE0-9B02-D6D6-I195 방송통신기자재등의 적합등록 필증 Registration of Broadcasting and Communication Equipments 상호 또는 성명 HGST, Inc. Trade Name or Registers 기자재 명칭 Solid State Drive Equipment Name 기본모델딩 HUSMR3280ASS200 Basic Model Number 과생모델명 HUSMR3280ASS201, HUSMR3280ASS205, HUSMR3280ASS204 Series Model Number 등록번호 MSIP-REM-HG2-HUSMR3280ASS20 Registration No. 제조자/제조(조립)국가 HGST, Inc. / 대국, 중국, 싱가포트 Manufacturer/Country of Origin 등록연월일 2016-11-03 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 2016년(Year) 11월(Month) 03일(Date) Director General of National Radio Research Agency 표 격합등록 방송통신기자계는 반드시 "적합성평가표시"를 부탁하여 유통하여야 합니다. 위반시 파매로 처분 및 등목이 취소될 수 있습니다.





