



## Regulatory and certification documents package

Regulatory Model Number: [STA008](#)

Series Name(s): Nytro 3000

Internal Name: Jofa 7mm

<u>Date</u>	<u>Comments:</u>
<a href="#">1-16-2018</a>	<a href="#">Package generated.</a>
<a href="#">4-18-2018</a>	<a href="#">Updated CoT to include Canada standard</a>
<a href="#">6-12-2019</a>	<a href="#">Replace TUV safety certificates with consolidated version</a>
<a href="#">7-10-2019</a>	<a href="#">Updated CE Mark DoC with new RoHS declaration</a>

### Contents:

- Australia/New Zealand - RCM mark SDoC (Supplier Declaration of Conformity)
- Australia/New Zealand - CoT (Certificate of Test)
- Canada ICES - CoT (Certificate of Test)
- CB Certificate
- CE DoC (Declaration of Conformity)
- CE Mark - CoT
- Korea RRL – Certificate
- Korea - CoT (Certificate of Test)
- UL/cUL safety
- TUV safety
- Taiwan BSMI certificate
- Taiwan CoT (Certificate of Test)



## Supplier's Declaration of Conformity

Declaration of Conformity as a registered and responsible supplier under the Australian Communications and Media Authority (ACMA) regulatory arrangements for Regulatory Compliance Mark (RCM) and its placement.

Responsible Supplier Name: Seagate Technology Australia Pty Ltd  
Responsible Supplier Number: E806

**Seagate Technology Australia Pty. Limited**  
**Level 7, 91 Phillip St**  
**PARRAMATTA NSW 2150**  
**AUSTRALIA**

Declare under our sole responsibility that the following product(s):

**Seagate Solid State Drive**

---

**Model: STA008**

---

to which this declaration relates is in conformity with the following standard(s):

Title

Test Regulation

**Australian/New Zealand Standard**

**AS/NZS CISPR 32: 2015**

(Name of the Authorized Person)

**Sam Zavaglia**

(Title of the Authorized Person)

**Senior Field Applications Engineer**

(Date of Issue)

**29<sup>th</sup> November 2017**

(Signature)

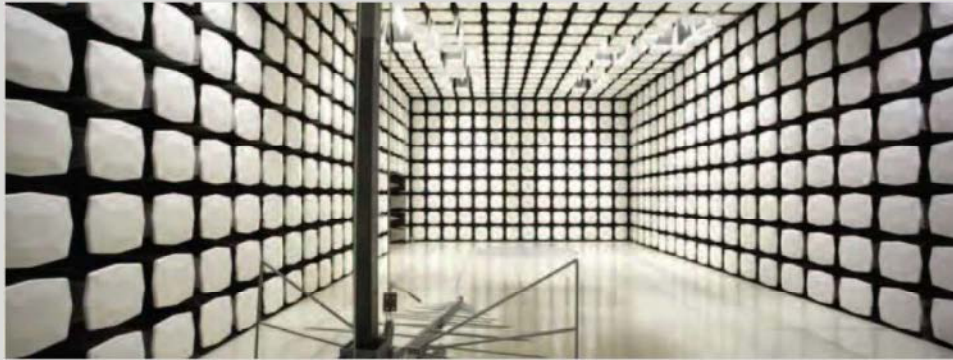


# element<sup>®</sup>

**Seagate Technology LLC**

**STA008**

**Report # SEAG0165 Rev. 1**



NVLAP Lab Code: 200881-0



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# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Emissions

### Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
FCC 15.109(g):2017 Class B	
FCC 15.109:2017 Class B	
ICES-003:2016 updated April 2017 Class B	
VCCI:2015-04 Class B	VCCI:2015-04
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

### Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

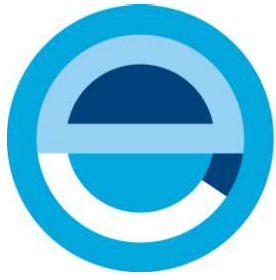
### Deviations From Test Standards

None

### Approved By:

Matt Nuernberg, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.*

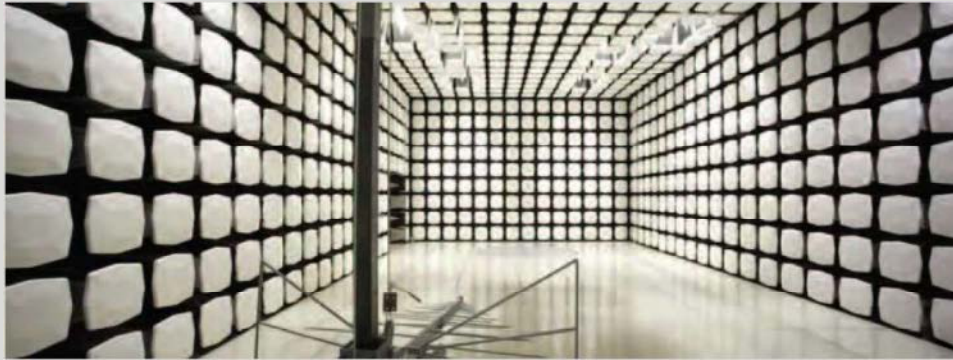


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**Seagate Technology LLC**

**STA008**

**Report # SEAG0165 Rev. 1**



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2017-1-25

# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Emissions

### Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
FCC 15.109(g):2017 Class B	
FCC 15.109:2017 Class B	
ICES-003:2016 updated April 2017 Class B	
VCCI:2015-04 Class B	VCCI:2015-04
EN 61000-3-2:2014	IEC 61000-3-2:2014
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### Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

### Deviations From Test Standards

None

### Approved By:

Matt Nuernberg, Operations Manager

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Ref. Certif. No.

DE 3 - 502672

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	Disk drives
Name and address of the applicant	Seagate Technology LLC 1280 Disc Drive Shakopee, MN 55379-1863, USA
Name and address of the manufacturer	Seagate Technology LLC 1280 Disc Drive, Shakopee, MN 55379-1863, USA
Name and address of the factory	Seagate Technology LLC 1280 Disc Drive, Shakopee, MN 55379-1863, USA For further information please see attachment
Ratings and principal characteristics	Rated Input Voltage: +5Vdc / +12Vdc Rated Frequency: dc Rated Input Current: 0.80 A / 0.3 A (STA008) 0.80 A / 0.45 A (STA009) Protection Class: III Degree of Protection: IPX0
Trade mark (if any)	Seagate
Customer's Testing Facility (CTF) Stage used	CTF Stage 2
Model/type Ref.	Seagate Jofa SSD Family: Model STA008 (2.5" x 7mm) Model STA009 (2.5" x 15mm)
Additional information (if necessary)	
A sample of the product was tested and found to be in conformity with	IEC 60950-1:2005 IEC 60950-1:2005/AMD1:2009 IEC 60950-1:2005/AMD2:2013
as shown in the Test Report Ref. No. which forms part of this certificate	092-72132758-000

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, 2017-12-12  
CB 17 12 41780 655

William P. Weller



Name and address of the manufacturer (41780)  
*Nom et adresse du fabricant* Seagate Technology LLC  
1280 Disc Drive  
Shakopee, MN 55379 USA

Name and address of the factory (39917)  
*Nom et adresse de l'usine* Teleplan Technology Services  
SDN BHD  
2580, Tingkat Perusahaan 4B,  
Zon Perindustrian Bebas Dua  
13600 Perai, Penang  
MALAYSIA

Benchmark Electronics (Thailand) PCL (71141)  
94 MOO 1 Hi-Tech Industrial Estate  
Banlane, Bang Pa-In, Ayudhaya 13160  
Thailand

Seagate Technology LLC (41780)  
1280 Disc Drive  
Shakopee, MN 55379 USA

*William P. Meller*

Date, 2017-12-12  
CB 17 12 41780 655  
TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München



**Additional product information:**

Seagate Jofa SSD family:

Model STA008 (2.5" x 7mm), various capacities dependent on endurance requirements.

Model STA009 (2.5" x 15mm), various capacities dependent on endurance requirements.

**License Conditions:**

1. Disc drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Proper air flow should be considered in the end use product to maintain maximum case temperature of 60°C.

*William P. Keller*

Date, 2017-12-12

CB 17 12 41780 655

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München

Page 3 of 3



Product Service

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

Disk drives

Name and address of the applicant

Seagate Technology LLC  
1280 Disc Drive  
Shakopee, MN 55379-1863, USA

Name and address of the manufacturer

Seagate Technology LLC  
1280 Disc Drive, Shakopee, MN 55379-1863, USA

Name and address of the factory

Seagate Technology LLC  
1280 Disc Drive, Shakopee, MN 55379-1863, USA  
For further information please see attachment

Ratings and principal characteristics

Rated Input Voltage: +5Vdc / +12Vdc  
Rated Frequency: dc  
Rated Input Current: 0.80 A / 0.3 A (STA008)  
0.80 A / 0.45 A (STA009)  
Protection Class: III  
Degree of Protection: IPX0

Trade mark (if any)

Seagate

Customer's Testing Facility (CTF) Stage used

CTF Stage 2

Model/type Ref.

Seagate Jofa SSD Family:  
Model STA008 (2.5" x 7mm)  
Model STA009 (2.5" x 15mm)

Additional information (if necessary)

A sample of the product was tested and found  
to be in conformity with

IEC 62368-1:2014

as shown in the Test Report Ref. No.  
which forms part of this certificate

092-72133212-000

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, 2017-12-12  
CB 17 12 41780 657

*William P. Weller*

William P. Weller



Product Service

Name and address of the manufacturer  
*Nom et adresse du fabricant*

Seagate Technology LLC (41780)  
1280 Disc Drive  
Shakopee, MN 55379 USA

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

Benchmark Electronics (Thailand) PCL (71141)  
94 MOO 1 HI-Tech Industrial Estate,  
Banlane, Bang Pa-In, Ayudhaya 13160  
Thailand

Teleplan Technology Services (39917)  
SDN BHD  
2580, Tingkat Perusahaan 4B,  
Zon Perindustrian Bebas Dua  
13600 Perai, Penang  
MALAYSIA

Seagate Technology LLC (41780)  
1280 Disc Drive  
Shakopee, MN 55379 USA

*William P. Meller*

Date, 2017-12-12  
CB 17 12 41780 657

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München



Product Service



**Additional product information:**

Seagate Jofa SSD family:

Model STA008 (2.5" x 7mm), various capacities dependent on endurance requirements.

Model STA009 (2.5" x 15mm), various capacities dependent on endurance requirements.

**License Conditions:**

1. Disc drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
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*William P. Meller*

Date, 2017-12-12  
CB 17 12 41780 657

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstrasse 65 • D-80339 München



Product Service



## EU Declaration of Conformity

### Product Safety and EMC Compliance

The product(s) meets the requirements of The Electromagnetic Compatibility (EMC) Directive 2014/30/EU by application of the following standards:

<u>EN 55032:2012</u>	Electromagnetic compatibility of multimedia equipment — Emission requirements – class B.
<u>EN 55024:2010</u>	Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement
<u>EN 61000-3-2:2014</u>	Limits for harmonic current emissions (equipment input current $\leq 16$ A per phase)
<u>EN 61000-3-3:2013</u>	Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment with Rated Current $\leq 16$ Amps Per Phase

The product(s) meets the requirements of The Low Voltage Directive (LVD) 2014/35/EU by application of the following standards:

EN 60950-1:2006 /A11:2009 /A1:2010 /A12:2011/A2:2013 Information Technology Equipment - Safety- (Second Edition) Part 1: General Requirements

EN 62368-1:2014 Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

### Product Environmental Compliance, EU/China RoHS Declaration of Conformity

#### Conformity with Harmonized Standards/Technical Specifications:

1. Directive 2011/65/EU RoHS “Recast” (RoHS 2) as amended by Directive (EU) 2015/863 and further amended by Directive 2018/739 and Directive 2018/740  
EN 50581:2012
2. Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)
3. Management Methods for the Restriction of the Use of Hazardous Substances in electrical and Electronic Products, Ministry of Industry and Information Technology Order No. 32 effective July 1, 2016 (China RoHS 2)
4. Joint JEDEC/ECA Standard, Definition of “Low-Halogen” for Electronic Products, JS709B

Seagate products rely on the following RoHS 2 exemptions for compliance:

6(a)-I	Lead as an alloying element in steel for machining purposes containing up to 0.35% lead by weight and in batch hot dip galvanized steel components containing up to 0.2% lead by weight
6(b)-II	Lead as an alloying element in aluminum for machining purposes up to 0.4% lead by weight
6c	Copper alloy up to 0.4% lead by weight
7a	Lead in high melting temperature type solders (i.e. lead-based solder alloys containing 85 % by weight or more lead
7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors (e.g. piezoelectronic devices) or in a glass or ceramic matrix compound



## Due Diligence

For parts and materials in Seagate products procured from external suppliers, we rely on the representations of our suppliers regarding the presence of RoHS 2 substances in these parts and materials. Our supplier contracts require compliance with our chemical substance restrictions, and our suppliers document their compliance with our requirements by providing material content declarations for all parts and materials for Seagate products. Current supplier declarations include disclosure of any substances regulated by RoHS 2 in such parts or materials.

Seagate also has internal systems in place to ensure ongoing compliance and all laws and regulations. These systems include standard operating procedures that ensure that product safety, EMC and environmental compliance requirements are followed and an internal auditing process to ensure compliance with all standard operating procedures.

**Year to Begin Affixing Mark:** 2017

**Manufacturer's Name:** Seagate Technology, LLC  
**Manufacturer's Address:** 10200 South De Anza Blvd.  
**(And Importer)** Cupertino, California 95014-3029 U.S.A.

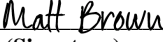
**European Contact:** Director of Operations  
Seagate Technology, International  
Koolhovenlaan 1  
1119 NB Schiphol - Rijk  
The Netherlands

**Type of Equipment:** Solid State Drive  
**Product Name: (Internal)** Nytro® 3000 (Jofa)  
**Regulatory Model Number(s):** **STA008 and STA009**  
**Seagate Models:** **15mm x 2.5 inch (Regulatory Model: STA009)**  
XS3200ME70003, XS3200ME70013, XS3200ME70023  
XS6400LE70003, XS6400LE70013, XS6400LE70023  
XS7680SE70103, XS7680SE70113, XS7680TE70003  
XS7680TE70013, XS7680TE70023, XS15360SE70103  
XS15360SE70113, XS15360SE70143, XS15360TE70003,  
XS15360TE70013, XS15360TE70023

**7mm x 2.5 inch (Regulatory Model: STA008)**  
XS400ME10003, XS400ME10013, XS400ME10023,  
XS800ME10003, XS800ME10013, XS800ME10023,  
XS1600ME10003, XS1600ME10013, XS1600ME10023  
XS400LE10003, XS480SE10003, XS400LE10013,  
XS800LE10003, XS800LE10013, XS1600LE10003,  
XS1600LE10013, XS1600LE10023, XS3200LE10003,  
XS3200LE10013, XS960SE10003, XS920SE10003,  
XS960SE10013, XS3840TE10003, XS3840TE10013,  
XS3840TE10023, XS1920SE10103, XS1920SE10113,  
XS1920SE10123, XS3840SE10103, XS3840SE10113

This product or products are in conformity with the relevant Union harmonization legislation. This declaration of conformity is issued under the sole responsibility of Seagate Technology LLC.

**Date:** July 9, 2019 | 14:38:46 PDT

DocuSigned by:  
  
(Signature)  
191C27331AEB4C5...

**Matthew C. Brown**  
**Vice President**  
**Operations and Technology**

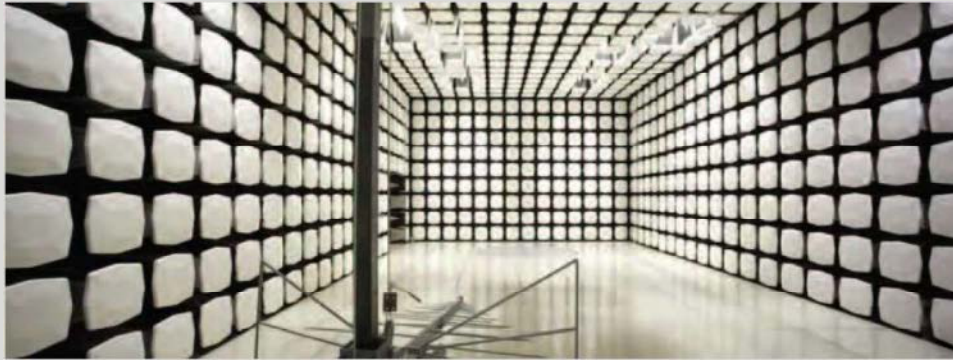


# element<sup>®</sup>

**Seagate Technology LLC**

**STA008**

**Report # SEAG0165 Rev. 1**



NVLAP Lab Code: 200881-0



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2017-1-25

# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Emissions

### Standards

Specification	Method
AS/NZS CISPR 32:2015 Class B	AS/NZS CISPR 32:2015
EN 55032:2012/AC:2013 Class B	CISPR 32:2015
FCC 15.107:2017 Class B	ANSI C63.4:2014
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VCCI:2015-04 Class B	VCCI:2015-04
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

### Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	
Harmonic Current Emissions	Yes	Pass	
Voltage Fluctuations and Flicker	Yes	Pass	

### Deviations From Test Standards

None

### Approved By:

Matt Nuernberg, Operations Manager

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# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Immunity

### Standards

Specification	Method
EN 55024:2010	IEC 61000-4-2:2008
	IEC 61000-4-3:2010
	IEC 61000-4-4:2012
	IEC 61000-4-5:2014
	IEC 61000-4-6:2013
	IEC 61000-4-8:2009
	IEC 61000-4-11:2004

### Results

Test Description	Performance Criteria			Comments
	Applied	Standard Specified	Observed Criteria	
Electrostatic Discharge (ESD)	Yes	B	A	
Radiated Immunity	Yes	A	A	
Electrical Fast Transients and Bursts (EFT)	Yes	B	A	
Surge	Yes	B	A	
Conducted Immunity	Yes	A	A	
Magnetic Field Immunity	Yes	A	A	
Voltage Interruptions	Yes	C	C	
Voltage Dips	Yes	B/C	A/A	

Details on the application of the performance criteria, as well as any manufacturer provided performance criteria or acceptable degradation of performance, are all contained within the report.

### Deviations From Test Standards

None

### Approved By:

Matt Nuernberg, Operations Manager

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# 방송통신기자재등의 적합등록 필증

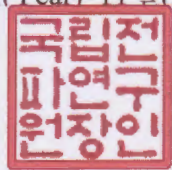
## Registration of Broadcasting and Communication Equipments

상호 또는 성명 <i>Trade Name or Registrant</i>	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) <i>Equipment Name</i>	Solid State Drive
기본모델명 <i>Basic Model Number</i>	STA008
파생모델명 <i>Series Model Number</i>	XS800ME10013, XS3840SE10113, XS3840TE10003, XS1600LE10003, XS1920SE10103, XS3200LE10013, XS480SE10003, XS400ME10023, XS960SE10013, XS800LE10013, XS800ME10023, XS3840SE10103, XS1920SE10123, XS920SE10003, XS800LE10003, XS3840TE10013, XS1600LE10013, XS400ME10003, XS1600ME10003, XS400ME10013, XS3200LE10003, XS400LE10003, XS800ME10003, XS1920SE10113, XS3840TE10023, XS1600LE10023, XS1600ME10023, XS960SE10003, XS400LE10013, XS1600ME10013
등록번호 <i>Registration No.</i>	MSIP-REM-STX-STA008
제조사/제조(조립)국가 <i>Manufacturer/Country of Origin</i>	SEAGATE TECHNOLOGY LLC / 태국
등록연월일 <i>Date of Registration</i>	2017-11-22
기타 <i>Others</i>	

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) 11월(Month) 22일(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.








Report No. SEAG0165.1

NRRA Notice No. 2015-110 (2015.12.03) Test Method for Electromagnetic Compatibility

Applicant Information	Applicant:	Seagate Technology LLC	
	Address:	1280 Disc Drive Shakopee, MN 55379	
	Contact Name:	Curt Propson	
Product Information	Equipment Name:	Solid State Drive	
	Model Name:	STA008	
	KCC ID Number	MSIP-REM-STX-STA008	
	Manufacturer:	Seagate Technology, LLC	
	Manufacturer Address:	1280 Disc Drive Shakopee, MN 55379	
	Origin Country:	Thailand	
Date(s) of testing		11/6/2017, 11/7/2017, 11/8/2017	
Equipment Class		<input type="checkbox"/> Class A	<input checked="" type="checkbox"/> Class B
Test Results		<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL
Lab Performing the Tests	Element Materials Technology Brooklyn Park Lab 22975 NW Evergreen Parkway, Suite 400 Hillsboro, OR 97124 USA 503-844-4066 888-364-2378		

 	
Test Technician William Hoffa, Andrew Rogstad	Operations Manager Matt Nuernberg

# CERTIFICATE OF TEST



Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Emissions Standards

Specification	Method
KN 32 Class B	KN 32

## Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	

## Deviations From Test Standards

None

## Approved By:

Matt Nuernberg, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.*

# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
 Seagate Technology LLC  
 Model: STA008

## Immunity Standards

Specification	Method
KN 35	KN 61000-4-2
	KN 61000-4-3
	KN 61000-4-4
	KN 61000-4-5
	KN 61000-4-6
	KN 61000-4-8
	KN 61000-4-11

## Results

Test Description	Performance Criteria			Comments
	Applied	Standard Specified	Observed Criteria	
Electrostatic Discharge (ESD)	Yes	B	A	
Radiated Immunity	Yes	A	A	
Electrical Fast Transients and Bursts (EFT)	Yes	B	A	
Surge	Yes	B	A	
Conducted Immunity	Yes	A	A	
Magnetic Field Immunity	Yes	A	A	
Voltage Interruptions	Yes	C	C	
Voltage Dips	Yes	B/C	A/A	

Details on the application of the performance criteria, as well as any manufacturer provided performance criteria or acceptable degradation of performance, are all contained within the report.

## Deviations From Test Standards

None

## Approved By:



Matt Nuernberg, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.*

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20180418- E145123  
**Report Reference** E145123-A50-UL  
**Issue Date** 2018-APRIL-18

**Issued to:** SEAGATE TECHNOLOGY L L C  
1280 DISC DR  
SHAKOPEE MN 55379-1863


**This is to certify that  
representative samples of**

COMPONENT - Information Technology Equipment  
Including Electrical Business Equipment; COMPONENT -  
AUDIO/VIDEO, INFORMATION AND COMMUNICATION  
TECHNOLOGY EQUIPMENT  
Solid State Drive - STA008 and STA009

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

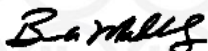
**Standard(s) for Safety:** See Addendum Page  
**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

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:  
 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.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program  
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



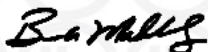
# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20180418- E145123  
**Report Reference** E145123-A50-UL  
**Issue Date** 2018-APRIL-18

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

## Standards for Safety:

UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07 - Information Technology Equipment - Safety - Part 1: General Requirements,  
UL 62368-1 and CSA-C22.2 No. 62368-1 - Audio/Video, Information and Communication Technology Equipment - Part 1: Safety Requirements



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>





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Product Service

# CERTIFICATE

No. B 041780 0680 Rev. 00

**Holder of Certificate:** Seagate Technology LLC  
1280 Disc Drive  
Shakopee, MN 55379-1863  
USA

**Certification Mark:**



**Product:** Disk drives  
Disc Drive (Information Technology Equipment)

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

**Test report no.:** 092-72144112-000

**Valid until:** 2020-12-20

**Date,** 2019-04-25  (Adrian Rabago Valenzuela )

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Product Service

# CERTIFICATE

No. B 041780 0680 Rev. 00

**Model(s):**

**Regulatory Models (Seagate 1200.2 SSD Family):**

2.5 inch models:  
STR004, STR005

1.8 inch model:  
STR006

**Regulatory Models (Seagate 1200 SSD Drive Family):**

2.5 inch models:  
ST800FM0013, ST800FM0023, ST800FM0163,  
ST800FM0153, ST800FM0033, ST400FM0013,  
ST400FM0033, ST400FM0223, ST400FM0213,  
ST200FM0013, ST200FM0033, ST800FM0043,  
ST800FM0053, ST800FM0063, ST400FM0053,  
ST400FM0073, ST200FM0053, ST200FM0073

1.8 inch models:  
ST400FM0023, ST400FM0043, ST200FM0023,  
ST200FM0043, ST100FM0023, ST100FM0043,  
ST400FM0063, ST400FM0083, ST200FM0063,  
ST200FM0083, ST100FM0063, ST100FM0083,  
ST100FM0093, ST200FM0093, ST400FM0093,  
ST100FM0103, ST200FM0103, ST400FM0103,  
ST100FM0113, ST200FM0113, ST400FM0113,  
ST100FM0123, ST200FM0123, ST400FM0123

**Regulatory Models (SSD Family):**

STA003, STA004, STA010, STR003, STR011, STL001,  
STR010

**Regulatory Models (Seagate Jofa SSD Family):**

STA008, STA009



Product Service

# CERTIFICATE

No. B 041780 0680 Rev. 00

## PARAMETERS

### **Rated Input Voltage:**

Regulatory Models (Seagate 1200.2 SSD Family):  
2.5 inch models: 5 VDC / 12 VDC  
1.8 inch model: 3.3 VDC / 5 VDC

Regulatory Models (Seagate 1200 SSD Drive Family):  
2.5 inch models: 5 VDC / 12 VDC  
1.8 inch models: 3.3 VDC / 5 VDC

Regulatory Models (SSD Family):  
STA003: 3.3 VDC  
STA004: 12 VDC  
STA010 240 GB and 480 GB: 5 VDC  
STA010 960 GB, 1920 GB, 3840 GB: 5 VDC and 12 VDC  
STR003: 12 VDC  
STR011: 3.3 VDC  
STL001: 3.3 VDC  
STR010: 12 VDC

Regulatory Models (Seagate Jofa SSD Family):  
STA008: 5 VDC / 12 VDC  
STA009: 5 VDC / 12 VDC

### **Rated Input Current:**

Regulatory Models (Seagate 1200.2 SSD Family):  
2.5 inch models: 0.95 A / 0.60 A (STR005), 1.0 A / 0.95 A (STR004)  
1.8 inch model: 1.65 A / 1.50 A

Regulatory Models (Seagate 1200 SSD Drive Family):  
2.5 inch models: 0.7 A / 0.4 A  
1.8 inch models: 0.7 A / 0.85 A

Regulatory Models (SSD Family):  
STA003: 2.50 A  
STA004 Solid State Drive: 1.0 A  
STA010 Solid State Drive 240 GB and 480 GB: 0.80 A  
STA010 Solid State Drive 960 GB, 1920 GB, 3840 GB: 1.00 A and 0.05 A  
STR003: 1.04 A  
STR011: 2.5 A  
STL001: 2.5 A  
STR010: 1.04 A

Regulatory Models (Seagate Jofa SSD Family):  
STA008: 0.80 A / 0.30 A  
STA009: 0.80 A / 0.45 A

### **Protection Class:**

Class III

### **Degree of Protection:**

IPX0

### **Temperature:**

5°C to 60°C for Seagate 1200.2 and Seagate 1200 SSD Families  
0°C to 70°C for STA003, STA004, STA010, STR003, STR011, STL001, STR010, STA009

### **Altitude of Operation:**

Up to 3048 m

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ CERTIFICADO ◆ CERTIFICAT



Product Service

# CERTIFICATE

No. B 041780 0680 Rev. 00

## Conditions of Acceptability:

1. Disc drives are to be supplied by a reliable SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Proper air flow should be considered in the end product to maintain maximum case temperature of 60°C for Seagate 1200.2 and Seagate 1200 SSD Families.
4. Proper air flow should be considered in the end product to maintain maximum case temperature of 70°C for STA003, STA004, STA010, STR003, STR011, STL001, STR010, STA008, STA009 models.

**Tested according to:** EN 60950-1:2006/A2:2013

**Production Facility(ies):** 041780, 071141, 039917, 096907



Product Service

# CERTIFICATE

No. B 041780 0679 Rev. 00

Holder of Certificate:

**Seagate Technology LLC**  
1280 Disc Drive  
Shakopee, MN 55379-1863  
USA

Certification Mark:



Product:

Disk drives

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.:

092-72144455-000

Valid until:

2024-02-21

Date,

2019-05-09

( Adrian Rabago Valenzuela )







Product Service

# CERTIFICATE

No. B 041780 0679 Rev. 00

## Regulatory Models (SSD Series):

STA003: +3.3Vdc, 2.5 A

STA004: +12Vdc, 1.0 A

STA008: +5Vdc, 0.80A / +12Vdc, 0.30A

STA009: +5Vdc, 0.80A / +12Vdc, 0.45A

STA010: +5Vdc, 0.80A (240, 480 GB),

+5Vdc, 1.0A; +12Vdc, 0.05A (960, 1,920, 3,840 GB)

STL001: +3.3Vdc, 2.5 A

STR010: +12Vdc, 1.04 A

## Regulatory Models:

STR003: +12Vdc, 1.04A

STR011: +3.3Vdc, 2.50A

## Conditions of Acceptability:

1. Solid State Devices are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when disc drive is installed in the end use product.
3. Solid State Devices were evaluated with a fan supplying 41 CFM air flow. Proper air flow should be considered in the end use product to maintain maximum case temperature of 60°C.



Product Service

# CERTIFICATE

No. B 041780 0679 Rev. 00

Model #	Capacity/GB	Interface	Disc / Heads	Cache (GB)	Part Number	SED Enabled	FIPS Label	Board Type
<b>2.5" Managed Life</b>								
ST800FM0013	800	SAS	N/A	8	1D3272-XXX	No	No	MACALLAN
ST800FM0023	800	SAS	N/A	8	1EX212-XXX	Yes	No	MACALLAN
ST800FM0163	800	SAS	N/A	8	1VP262-XXX	No	No	MACALLAN
ST800FM0153	800	SAS	N/A	8	1V1262-XXX	Yes	No	MACALLAN
ST800FM0033	800	SAS	N/A	8	1EX222-XXX	Yes	Yes	MACALLAN
ST400FM0013	400	SAS	N/A	4	1D3262-XXX	No	No	DALWHINNIE
ST400FM0033	400	SAS	N/A	4	1EW212-XXX	Yes	No	DALWHINNIE
ST400FM0223	400	SAS	N/A	4	1VP272-XXX	No	No	DALWHINNIE
ST400FM0213	400	SAS	N/A	4	1V1272-XXX	Yes	No	DALWHINNIE
ST200FM0013	200	SAS	N/A	4	1D3252-XXX	No	No	DALWHINNIE
ST200FM0033	200	SAS	N/A	4	1EV212-XXX	Yes	No	DALWHINNIE
<b>2.5" Usage Based</b>								
ST800FM0043	800	SAS	N/A	8	1GD272-XXX	No	No	MACALLAN
ST800FM0073	800	SAS	N/A	8	1GM272-XXX	Yes	No	MACALLAN
ST800FM0063	800	SAS	N/A	8	1GP272-XXX	Yes	Yes	MACALLAN
ST400FM0053	400	SAS	N/A	4	1GD262-XXX	No	No	DALWHINNIE
ST400FM0073	400	SAS	N/A	4	1GM262-XXX	Yes	No	DALWHINNIE
ST200FM0053	200	SAS	N/A	4	1GD252-XXX	No	No	DALWHINNIE
ST200FM0073	200	SAS	N/A	4	1GM252-XXX	Yes	No	DALWHINNIE
<b>1.8" Managed Life</b>								
ST400FM0023	400	SAS	N/A	4	1D4262-XXX	No	No	TALISKER
ST400FM0043	400	SAS	N/A	4	1F1212-XXX	Yes	No	TALISKER
ST200FM0023	200	SAS	N/A	4	1D4252-XXX	No	No	TALISKER
ST200FM0043	200	SAS	N/A	4	1EZ212-XXX	Yes	No	TALISKER
ST100FM0023	100	SAS	N/A	4	1D4242-XXX	No	No	TALISKER
ST100FM0043	100	SAS	N/A	4	1EY212-XXX	No	No	TALISKER
<b>1.8" Usage Based</b>								
ST400FM0063	400	SAS	N/A	4	1GE262-XXX	No	No	TALISKER
ST400FM0083	400	SAS	N/A	4	1GN262-XXX	Yes	No	TALISKER
ST200FM0063	200	SAS	N/A	4	1GE252-XXX	No	No	TALISKER
ST200FM0083	200	SAS	N/A	4	1GN252-XXX	Yes	No	TALISKER
ST100FM0063	100	SAS	N/A	4	1GE242-XXX	No	No	TALISKER
ST100FM0083	100	SAS	N/A	4	1GN242-XXX	No	No	TALISKER
<b>HE Usage Based</b>								
ST100FM0093	100	SAS	N/A	4	1GX242-XXX	No	No	DALWHINNIE
ST200FM0093	200	SAS	N/A	4	1GX252-XXX	No	No	DALWHINNIE
ST400FM0093	400	SAS	N/A	8	1GX262-XXX	No	No	MACALLAN
ST100FM0103	100	SAS	N/A	4	1GY242-XXX	Yes	No	DALWHINNIE
ST200FM0103	200	SAS	N/A	4	1GY252-XXX	Yes	No	DALWHINNIE
ST400FM0103	400	SAS	N/A	8	1GY262-XXX	Yes	No	MACALLAN
<b>HE Managed Life</b>								
ST100FM0113	100	SAS	N/A	4	1GZ242-XXX	No	No	DALWHINNIE
ST200FM0113	200	SAS	N/A	4	1GZ252-XXX	No	No	DALWHINNIE
ST400FM0113	400	SAS	N/A	8	1GZ262-XXX	No	No	MACALLAN
ST100FM0123	100	SAS	N/A	4	1H1242-XXX	Yes	No	DALWHINNIE
ST200FM0123	200	SAS	N/A	4	1H1252-XXX	Yes	No	DALWHINNIE
ST400FM0123	400	SAS	N/A	8	1H1262-XXX	Yes	No	MACALLAN

Tested according to:

EN 62368-1:2014/A11:2017

Production Facility(ies):

041780, 071141, 096907, 039917



符合性聲明書  
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	010320181547

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：台灣希捷科技股份有限公司(Seagate Technology Taiwan, Ltd.)

Obligatory Applicant

地址：臺北市松山區復興北路 363 號 14 樓 B 室

Address

電話：886-2-2514-2210

Telephone

商品中(英)文名稱：固態磁碟機 SSD

Commodity Name

商品型式(或型號)：

STA008

Commodity Type (Model)

符合之檢驗標準及版次：CNS 13438/ Complete 2006 Class B/ Section 5 "Marking of presence" of CNS 15663 (2013.7)

Standard(s) and version

試驗報告編號：SEAG0165.2(EMC)/ 17H0797(RoHS)

Test Report Number

試驗室名稱及代號：Element Materials Technology (EMC)/ Environmental Monitoring Technologies, Inc. (RoHS)

Testing laboratory name and designation number

SL2-IN-E-1152R

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



D33027

RoHS

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：台灣希捷科技股份有限公司/G eraldine Hottier-Fayon (簽章)

Obligatory Applicant The Board Chairman of Seagate Technology Taiwan (Signature)

中 華 民 國 107 年 01 月 03 日  
DATE (year) (month) (day)



element®

## Seagate Technology LLC

STA008

XS400ME10003, XS400ME10013, XS400ME10023,  
XS800ME10003, XS800ME10013, XS800ME10023,  
XS1600ME10003, XS1600ME10013, XS1600ME10023  
XS400LE10003, XS480SE10003, XS400LE10013, XS800LE10003  
XS800LE10013, XS1600LE10003, XS1600LE10013, XS1600LE10023  
XS3200LE10003, XS3200LE10013, XS960SE10003, XS920SE10003  
XS960SE10013, XS3840TE10003, XS3840TE10013, XS3840TE10023  
XS1920SE10103, XS1920SE10113, XS1920SE10123, XS3840SE10103, XS3840SE10113

Report # SEAG0165.2



NVLAP Lab Code: 200881-0

*This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government of the United States of America. This Report shall not be reproduced, except in full without written approval of the laboratory.*





# CERTIFICATE OF TEST

Last Date of Test: November 8, 2017  
Seagate Technology LLC  
Model: STA008

## Emissions Standards

Specification	Method
CNS 13438:2006 (Complete) Class B	CNS 13438:2006 (Complete)

## Results

Test Description	Applied	Results	Comments
Radiated Emissions	Yes	Pass	
Radiated Emissions High Frequency	Yes	Pass	
Conducted Emissions	Yes	Pass	
Telecom Conducted Emissions	Yes	Pass	

## Deviations From Test Standards

None

## Approved By:

Matt Nuernberg, Operations Manager

*Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.*