



Regulatory and certification documents package

Regulatory Model Number: [STA010](#)

Series Name(s): [Nytro 1351, 1551, NAS, Barracuda Pro 110](#)

Internal Name: [Haden](#)

<u>Date</u>	<u>Comments:</u>
July 6, 2018	Package generated.
Sept 7, 2018	Replaced BSMI and Korea Certs due to model additions
June 14, 2019	Replaced TUV cert(s) with consolidated certs.
Aug 14, 2019	Replaced CE DoC with updated RoHS declaration.

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 Certificates
- CE DoC (Declaration of Conformity)
- CE - CoT (Certificate of Test)
- 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: STA010

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) **12th June 2018**

(Signature)

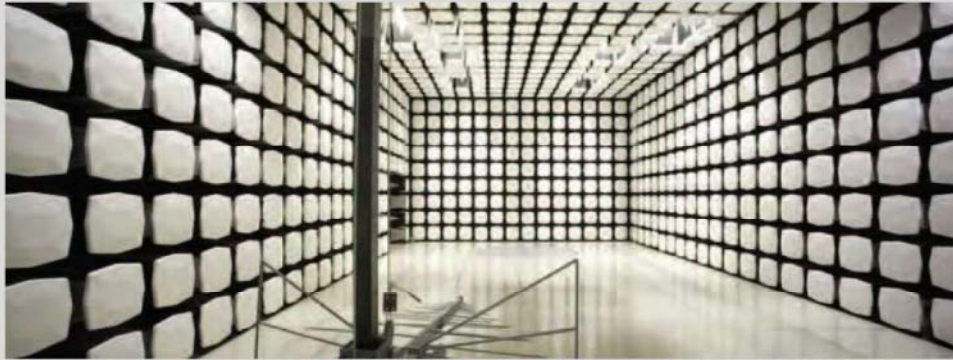


element[®]

Seagate Technology LLC

STA010

Report # SEAG0178



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: May 24, 2018
Seagate Technology LLC
Model: STA010

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 32-1	CISPR 32:2015
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

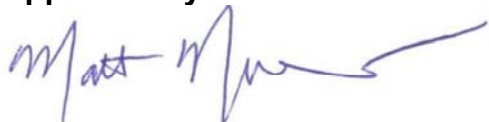
Results

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.

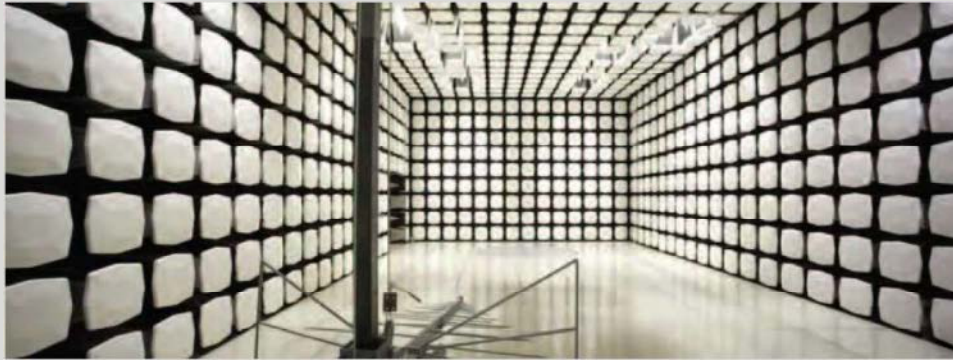


element[®]

Seagate Technology LLC

STA010

Report # SEAG0178



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: May 24, 2018
Seagate Technology LLC
Model: STA010

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 32-1	CISPR 32:2015
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013

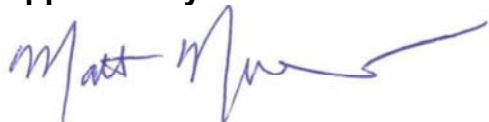
Results

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.



Ref. Certif. No.

DE 3 - 503010

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

Kaifa Technology Malaysia Sdn Bhd
No 4 & 6, Jalan Istimewa 2, Taman Perindustrian Cemerlang,
81800 Ulu Tiram, MALAYSIA

Ratings and principal characteristics

Ratings are dependent on data capacity

Rated Input Voltage:

240 and 480 GB: 5Vdc
960, 1920 and 3840 GB: 5Vdc and 12 Vdc

Rated Frequency:

DC

Rated Input Current:

240, 480 GB: 0.8A
960, 1920 and 3840 GB: 1.0A and 0.05 A

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.

STA010

Additional information (if necessary)

A sample of the product was tested and found
to be in conformity withIEC 60950-1:2005
IEC 60950-1:2005/AMD1:2009
IEC 60950-1:2005/AMD2:2013as shown in the Test Report Ref. No.
which forms part of this certificate

092-72138384-000

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, 2018-07-04
CB 18 07 41780 663

William Stinson



Conditions of Acceptability:

1. The device is intended to be installed in certified products and supplied from SELV, non-energy hazardous, supply source(s). Separation of circuits and access to hazards shall be evaluated in the end use product.
2. The product is intended to be mounted in a suitable (fire) enclosure in the end use product.
3. Drives were submitted and tested for use at the maximum ambient temperature (T_{MA}) permitted by the manufacturer's specification of 55 °C. A 41 CFM fan was used during testing to circulate air over the device. Consideration should be given to air flow and re-conducting the input and heating tests in the end use product.

Date, 2017-07-04
CB 18 07 41780 663



William Stinson

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



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	Kaifa Technology Malaysia Sdn Bhd No 4 & 6, Jalan Istimewa 2, Taman Perindustrian Cemerlang, 81800 Ulu Tiram, MALAYSIA
Ratings and principal characteristics	Ratings are dependent on data capacity Rated Input Voltage: 240 and 480 GB: 5Vdc 960, 1920 and 3840 GB: 5Vdc and 12 Vdc DC Rated Frequency: DC Rated Input Current: 240 , 480 GB: 0.8A 960, 1920 and 3840 GB: 1.0A and 0.05 A 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.	STA010
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	092-72140466-000

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, 2018-07-04
CB 18 07 41780 665



William Stinson



Conditions of Acceptability:

1. The device is intended to be installed in certified products and supplied from SELV, non-energy hazardous, supply source(s). Separation of circuits and access to hazards shall be evaluated in the end use product.
2. The product is intended to be mounted in a suitable (fire) enclosure in the end use product.
3. Drives were submitted and tested for use at the maximum ambient temperature (T_{MA}) permitted by the manufacturer's specification of 55 °C. A 41 CFM fan was used during testing to circulate air over the device. Consideration should be shall be given to air flow and re-conducting the input and heating tests in the end use product.

Date, 2017-07-02
CB 18 07 41780 665

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



Product Service

A handwritten signature in black ink, appearing to read 'William Steiner'.



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>EN55024:2010</u>	Information Technology Equipment – Immunity Characteristics – Limits and Methods of Measurement
<u>EN61000-3-2:2014</u>	Limits for Harmonic Current Emissions (Equipment Input Current ≤16 Amps Per Phase)
<u>EN61000-3-3:2013</u>	Limitation of Voltage Changes, Voltage Fluctuations and Flicker in Low-Voltage Supply Systems for Equipment with Rated Current ≤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:

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

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

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: 2015

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 Singapore Int'l HQ Pte. Ltd
 Koolhovenlaan 1
 1119 NB Schiphol – Rijk
 The Netherlands

Type of Equipment: Solid State Drive
Product Name: (Internal): **Nytro 1351 and Nytro 1551 SSD (Haden)**

Regulatory Model Number(s): **STA010**

Seagate Models:

Nytro 1351

XA960LE10093, XA1920LE10093, XA480LE10093, XA3840LE10093, XA240LE10033, XA1920LE10063
 XA480LE10063, XA960LE10063, XA3840LE10063, XA240LE10003, XA480LE10083, XA3840LE10083
 XA960LE10083, XA1920LE10083, XA240LE10023, XA960LE10113, XA480LE10113, XA1920LE10113
 XA3840LE10113, XA240LE10053, XA480LE10103, XA960LE10103, XA1920LE10103, XA3840LE10103
 XA240LE10043, XA960LE10073, XA1920LE10073, XA480LE10073, XA3840LE10073, XA240LE10013
 XA1920LE10123, XA240LE10063, XA960LE10123, XA480LE10123, XA3840LE10123, XA240LE10073
 XA480LE10133, XA960LE10133, XA1920LE10133, XA3840LE10133, XA240LE10083, XA480LE10143
 XA960LE10143, XA1920LE10143, XA3840LE10143, XA240LE10093, XA480LE10153, XA960LE10153
 XA1920LE10153, XA3840LE10153

Nytro 1551

XA3840ME10063, XA480ME10063, XA960ME10063, XA1920ME10063, XA240ME10003, XA480ME10083, XA960ME10083,
 XA1920ME10083, XA3840ME10083, XA240ME10023, XA3840ME10093, XA1920ME10093, XA960ME10093, XA480ME10093,
 XA240ME10033, XA960ME10103, XA480ME10103, XA1920ME10103, XA3840ME10103, XA240ME10043, XA1920ME10073,
 XA960ME10073, XA3840ME10073, XA480ME10073, XA240ME10013, XA480ME10113, XA3840ME10113, XA960ME10113,
 XA1920ME10113, XA240ME10053

NAS

ZA240NM10001, ZA480NM10001, ZA960NM10001, ZA1920NM10001, ZA3840NM10001

BarraCuda Pro 110

ZA240CE10001, ZA480CE10001, ZA960CE10001, ZA1920CE10001, ZA240CE10011, ZA480CE10011, ZA960CE10011
 ZA1920CE10011

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: August 13, 2019 | 09:13:36 PDT

DocuSigned by:

Matt Brown
 (Signature)
 197C27331AEB4C5...

Matthew C. Brown
Vice President
Operations and Technology

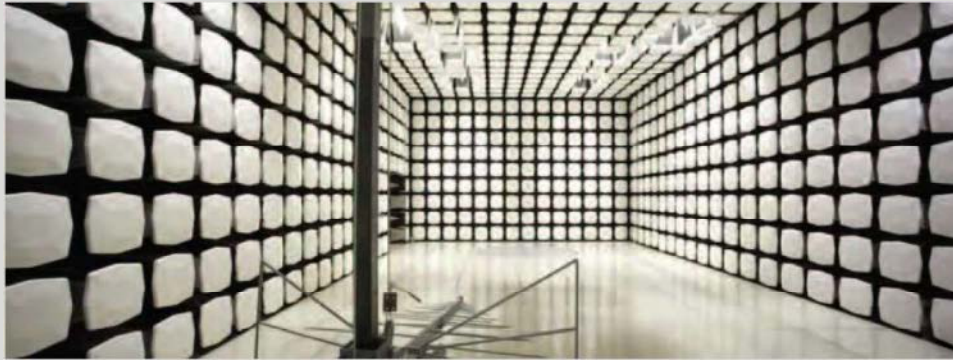


element[®]

Seagate Technology LLC

STA010

Report # SEAG0178



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: May 24, 2018
Seagate Technology LLC
Model: STA010

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 32-1	CISPR 32:2015
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.



CERTIFICATE OF TEST

Last Date of Test: May 24, 2018
Seagate Technology LLC
Model: STA010

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	B	
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	

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.

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

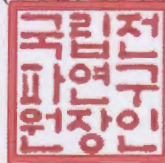
상호 또는 성명 <i>Trade Name or Registrant</i>	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) <i>Equipment Name</i>	Solid State Drive
기본모델명 <i>Basic Model Number</i>	STA010
파생모델명 <i>Series Model Number</i>	XA960LE10093, ZA960CE10011, ZA1920CE10011, ZA480CE10011, ZA1920CE10001, ZA480CE10001, ZA240CE10011, ZA960CE10001, ZA240CE10001, XA1920LE10153, XA480LE10153, XA3840LE10143, XA960LE10143, XA240LE10083, XA1920LE10133, XA480LE10133, ZA3840NMI0001, ZA480NMI0001, ZA240NMI0001, XA3840LE10153, XA960LE10153, XA240LE10093, XA1920LE10143, XA480LE10143, XA3840LE10133, XA960LE10133, XA240LE10073, ZA1920NMI0001, ZA960NMI0001, XA3840ME10113, XA480ME10113, XA240ME10013, XA960ME10073, XA1920ME10073, XA3840ME10103, XA480ME10103, XA240ME10033, XA960ME10093, XA1920ME10093, XA3840ME10093, XA480ME10093, XA240ME10023, XA240ME10053, XA960ME10113, XA1920ME10113, XA3840ME10073, XA480ME10073, XA240ME10043, XA960ME10103, XA1920ME10103, XA3840ME10093, XA480ME10093, XA240ME10033, XA960ME10093, XA1920ME10093, XA3840ME10083, XA480ME10083, XA960ME10083, XA1920ME10083, XA3840ME10063, XA480ME10063, XA960LE10123, XA480LE10123, XA240LE10013, XA960LE10073, XA1920LE10073, XA3840LE10103, XA480LE10103, XA240LE10053, XA960LE10113, XA480LE10113, XA240LE10023, XA960LE10083, XA1920LE10083, XA3840LE10063, XA480LE10063, XA240LE10033, XA240ME10003, XA960ME10063, XA1920ME10063, XA3840LE10123, XA240LE10063, XA1920LE10123, XA3840LE10073, XA480LE10073, XA240LE10043, XA960LE10103, XA1920LE10103, XA3840LE10113, XA1920LE10113, XA3840LE10083, XA480LE10083, XA240LE10003, XA960LE10063, XA1920LE10063, XA3840LE10093, XA1920LE10093, XA480LE10093
등록번호 <i>Registration No.</i>	R-REM-STX-STA010
제조사/제조(조립)국가 <i>Manufacturer/Country of Origin</i>	SEAGATE TECHNOLOGY LLC / 말레이시아
등록연월일 <i>Date of Registration</i>	2018-06-07
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.

2018년(Year) 08월(Month) 29일(Day)

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. SEAG0178.1

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:	STA010	
	KCC ID Number	R-REM-STX-STA010	
	Manufacturer:	Seagate Technology, LLC	
	Manufacturer Address:	1280 Disc Drive Shakopee, MN 55379	
	Origin Country:	Malaysia	
Date(s) of testing		5/22/2018, 5/23/2018. 5/24/2018	
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	Operations Manager Matt Nuernberg



CERTIFICATE OF TEST

Last Date of Test: May 24, 2018
Seagate Technology LLC
Model: STA010

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: May 24, 2018
Seagate Technology LLC
Model: STA010

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	B	
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	

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 20180613-E145123
Report Reference E145123-A53-UL
Issue Date 2018-JUNE-13

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, Model STA010.

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

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

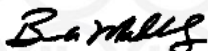
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

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:
, 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 20180613-E145123
Report Reference E145123-A6001-UL
Issue Date 2018-JUNE-13

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

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

COMPONENT - AUDIO/VIDEO, INFORMATION AND
COMMUNICATION TECHNOLOGY EQUIPMENT
Solid State Drive, Model STA010.

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


Standard(s) for Safety:

UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14,
Audio/video, information and communication technology
equipment Part 1: Safety requirements.

Additional Information:

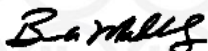
See the UL Online Certifications Directory at
www.ul.com/database for additional information

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:
 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/>





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 • 認證書 • CERTIFICADO • CERTIFIKAT • CERTIFICATE

符合性聲明書
Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	090420181307

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：886-2-2514-2273

Telephone

商品中(英)文名稱：固態磁碟機 SSD

Commodity Name

商品型式(或型號)：

Commodity Type (Model)

STA010: XA960LE10093, XA1920LE10093, XA480LE10093, XA3840LE10093, XA240LE10033, XA1920LE10063, XA480LE10063, XA960LE10063, XA3840LE10063, XA240LE10003, XA480LE10083, XA3840LE10083, XA960LE10083, XA1920LE10083, XA240LE10023, XA960LE10113, XA480LE10113, XA1920LE10113, XA3840LE10113, XA240LE10053, XA480LE10103, XA960LE10103, XA1920LE10103, XA3840LE10103, XA240LE10043, XA960LE10073, XA1920LE10073, XA480LE10073, XA3840LE10073, XA240LE10013, XA1920LE10123, XA240LE10063, XA960LE10123, XA480LE10123, XA3840LE10123, XA240LE10073, XA480LE10133, XA960LE10133, XA1920LE10133, XA3840LE10133, XA240LE10083, XA480LE10143, XA960LE10143, XA1920LE10143, XA3840LE10143, XA240LE10093XA480LE10153, XA960LE10153, XA1920LE10153, XA3840LE10153, XA3840ME10063, XA480ME10063, XA960ME10063, XA1920ME10063, XA240ME10003, XA480ME10083, XA960ME10083, XA1920ME10083, XA3840ME10083, XA240ME10023, XA3840ME10093, XA1920ME10093, XA960ME10093, XA480ME10093, XA240ME10033, XA960ME10103, XA480ME10103, XA1920ME10103, XA3840ME10103, XA240ME10043, XA1920ME10073, XA960ME10073, XA3840ME10073, XA480ME10073, XA240ME10013, XA480ME10113, XA3840ME10113, XA960ME10113, XA1920ME10113, XA240ME10053, ZA240NM10001, ZA480NM10001, ZA960NM10001, ZA1920NM10001, ZA3840NM10001, ZA240CE10001, ZA480CE10001, ZA960CE10001, ZA1920CE10001, ZA240CE10011, ZA480CE10011, ZA960CE10011, ZA1920CE10011

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：SEAG0178.2(EMC)/ 18E0639(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



D33027

RoHS

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/Geraldine Hottier-Fayon (簽章)

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

中華民國 107 年 09 月 04 日

DATE

(year)

(month)

(day)



element[®]

Seagate Technology LLC

STA010

XA960LE10093, XA1920LE10093, XA480LE10093, XA3840LE10093, XA240LE10033,
XA1920LE10063, XA480LE10063, XA960LE10063, XA3840LE10063, XA240LE10003,
XA480LE10083, XA3840LE10083, XA960LE10083, XA1920LE10083, XA240LE10023,
XA960LE10113, XA480LE10113, XA1920LE10113, XA3840LE10113, XA240LE10053,
XA480LE10103, XA960LE101xa24003, XA1920LE10103, XA3840L310103, XA240LE10043,
XA960LE10073, XA1920LE10073, XA480LE10073, XA3840LE10073, XA240LE10013,
XA1920LE10123, XA240LE10063, XA960LE10123, XA480LE10123, XA3840LE10123
XA3840ME10063, XA480ME10063, XA960ME10063, XA1920ME10063, XA240ME10003,
XA480ME10083, XA960ME10083, XA1920ME10083, XA3840ME10083, XA240ME10023,
XA3840ME10093, XA1920ME10093, XA960ME10093, XA480ME10093, XA240ME10033,
XA960ME10103, XA480ME10103, XA1920ME10103, XA3840ME10103, XA240ME10043,
XA1920ME10073, XA960ME10073, XA3840ME10073, XA480ME10073, XA240ME10113,
XA480ME10113, XA3840ME10113, XA960ME10113, XA1920ME10113, XA240ME10053
ZA240NM10001, ZA480NM10001, ZA960NM10001, ZA1920NM10001, ZA3840NM10001,
XA240LE10073, XA480LE10133, XA960LE10133, XA1920LE10133, XA3840LE10133,
XA240LE10083, XA480LE10143, XA960LE10143, XA1920LE10143, XA3840LE10143,
XA240LE10093, XA480LE10153, XA960LE10153, XA1920LE10153, XA3840LE10153,
ZA240CE10001, ZA480CE10001, ZA960CE10001, ZA1920CE10001, ZA240CE10011,
ZA480CE10011, ZA960CE10011, ZA1920CE10011

Report # SEAG0178.2 Rev. 1



NVLAP[®]
TESTING

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: May 23, 2018
Seagate Technology LLC
Model: STA010

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.