Regulatory and certification documents package

Regulatory Model Number: STA016

Series Name(s): BarraCuda 510, ZP2048CM30041, ZP2048CM30051, FireCuda 510, ZP500GM30001 ZP1000GM30001, ZP2000GM30001, ZP2000GM30011

Internal Name: Aspen M.2 (Double sided Board)

Date	Comments:
January 25, 2019	Package generated.
March 27, 2019	Updated BSMI DoC, KCC and CE DoC with DCT models.
Jun 28, 2022	Added declaration of similarity

Contents:

Regulatory Model Number (RMN) STA016

Statement of Similarity

Tested model RMN
STA016

Models added by Similarity

BarraCuda510 –
ZP2048CM30041, ZP2048CM30051, ZP2000GM30001, ZP2000GM30011

FireCuda510 –
ZP500GM30001, ZP1000GM30001, ZP2000GM30001, ZP2000GM30011, ZP1000GM30011, ZP2000GM30021

Nytro 510 DCT –
XP960DC30021, XP1920DC30021, XP960DC30031, XP1920DC30031

IronWolf 510 –
ZP960NM30001, ZP1920NM30001

BarraCuda 515 –
ZP256MC30002, ZP512MC30002, ZP1024MC30002, ZP2048MC30002, ZP256MC3012, ZP512MC30012, ZP1024MC30012, ZP2048MC30012, ZP256MC30022, ZP512MC30022, ZP1024MC30022, ZP2048MC30022

The regulatory model number STA016 is a Solid State Drive (SSD). This SSD is built in a 2280 M.2 form factor. It is designed for internal integration into products with a PCI-e Gen 3x4 interface. The SSD is available in various capacities, ranging from 250GB to 2048GB and with a variety of endurance levels and other features that may be offered. User capacity, endurance features and data security options are determined by the firmware. All models, regardless of these various features and configurations, are physically and electrically identical.

DocuSigned by:
Ken Allen
9D7478D29779420...

Ken Allen
Vice President
Operations and Technology

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 it's 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 M.2 NVMe Solid State Drive

Model: STA016

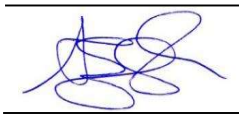
to which this declaration relates is in conformity with the following standard(s):

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**

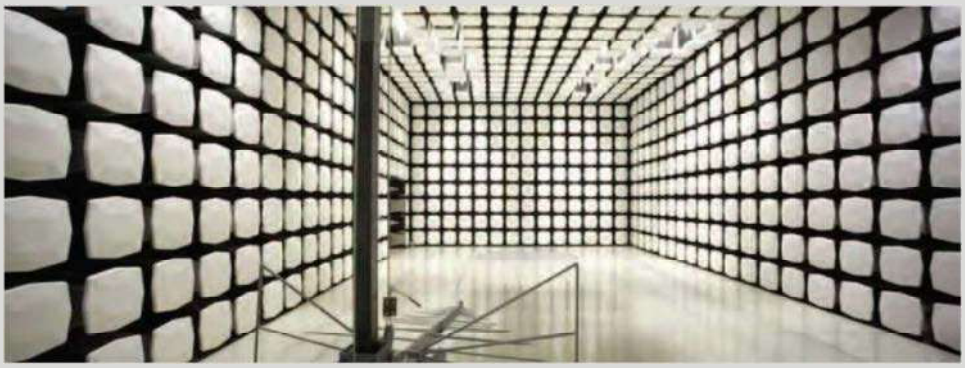
(Date of Issue) **5th December 2018**

(Signature) 

Seagate Technology LLC

STA016

Report # SEAG0199



NVLAP LAB CODE: 200881-0

CERTIFICATE OF TEST

Last Date of Test: November 28, 2018
Seagate Technology LLC
Model: STA016

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
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013
FCC 15.107:2018 Class B FCC 15.109:2018 Class B FCC 15.109(g):2018 Class B ICES-003:2016 updated April 2017 Class B	ANSI C63.4:2014
VCCI 32-1 Class B	CISPR 32:2015

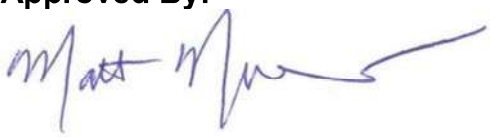
Results

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:



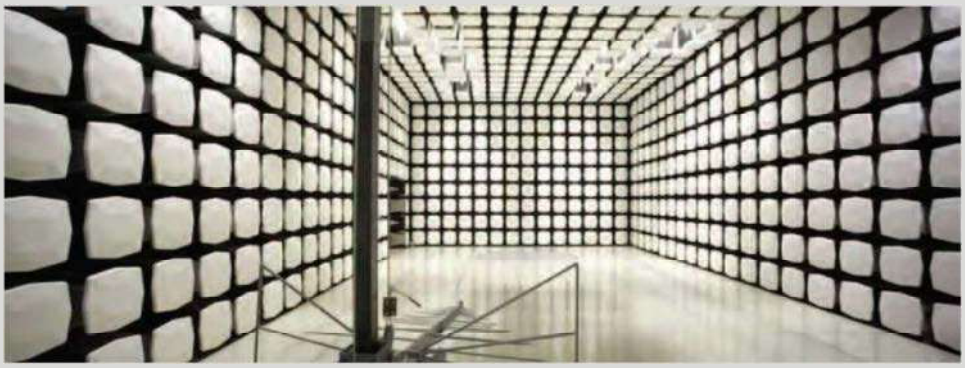
Matt Nuernberg, Operations Manager

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. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.

Seagate Technology LLC

STA016

Report # SEAG0199



NVLAP LAB CODE: 200881-0

CERTIFICATE OF TEST

Last Date of Test: November 28, 2018
Seagate Technology LLC
Model: STA016

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
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013
FCC 15.107:2018 Class B FCC 15.109:2018 Class B FCC 15.109(g):2018 Class B ICES-003:2016 updated April 2017 Class B	ANSI C63.4:2014
VCCI 32-1 Class B	CISPR 32:2015

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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IEC IECEE CB SCHEME

Ref. Certif. No.

DE 3 - ITAV061

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

CB TEST CERTIFICATE

Product	Disk drives Solid State Drive
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	CAL-COMP Electronics (Thailand) Co. Ltd. 60 Moo, 8 Sethakij Road, Klong Maduea, Kratoom Bean, Samuthsakorn 74110, THAILAND Netronix, Inc. No. 945, Boai Street, 30265 Jubei City, Hsinchu, TAIWAN
Ratings and principal characteristics	Rated Input Voltage: +3.3Vdc Rated Frequency: dc Rated Input Current: STA015: 1.4A STA016: 1.2A 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.	Regulatory Models: STA015 and STA016

This CB Test Certificate is issued by the National Certification Body

CB 041780 0676 Rev. 00
Date, 2018-12-10

William P. Weller

(William P. Weller)

TÜV SÜD Product Service

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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	092-72143766-000

Conditions of Acceptability:

1. Solid state drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when drive is installed in the end use product.
3. Proper air flow should be considered in the end use product to limit maximum case temperature to 60°C. Testing was conducted with a 40 CFM fan.

CB 041780 0676 Rev. 00
Date, 2018-12-10

William P. Weller

(William P. Weller)

Product Service

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

IEC IECEE CB SCHEME

Ref. Certif. No.

DE 3 - 503165

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

CB TEST CERTIFICATE

Product	Disk drives Solid State Drive
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	CAL-COMP Electronics (Thailand) Co. Ltd. 60 Moo, 8 Sethakij Road, Klong Maduea, Kratoom Bean, Samuthsakorn 74110, THAILAND Netronix, Inc. No. 945, Boai Street, 30265 Jubei City, Hsinchu, TAIWAN
Ratings and principal characteristics	Rated Input Voltage: +3.3Vdc Rated Frequency: dc Rated Input Current: STA015: 1.4A STA016: 1.2A 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.	Regulatory Models: STA015 and STA016

This CB Test Certificate is issued by the National Certification Body

CB 041780 0675 Rev. 00
Date, 2018-12-10

William P. Weller

(William P. Weller)

TÜV SÜD Product Service

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

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	092-72143844-000

Conditions of Acceptability:

1. Solid state drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when drive is installed in the end use product.
3. Proper air flow should be considered in the end use product to limit maximum case temperature to 60°C. Testing was conducted with a 40 CFM fan.

CB 041780 0675 Rev. 00
Date, 2018-12-10

William P. Weller

(William P. Weller)

TÜV SÜD Product Service

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

EU DECLARATION OF CONFORMITY

TYPE OF EQUIPMENT:	Solid State Drive		
REGULATORY MODEL:	STA016		
PRODUCT NAME (Internal):	BarraCuda 510, FireCuda 510, Nytro 510 DCT, IronWolf 510, BarraCuda 515 (Aspen Dual-sided board)		
SEAGATE MODELS:	BarraCuda 510	FireCuda 510	Nytro 510 DCT
	ZP2048CM30041	ZP500GM30001	XP960DC30021
	ZP2048CM30051	ZP1000GM30001	XP1920DC30021
	ZP2000GM30001	XP960DC30031	
	ZP2000GM30011	XP1920DC30031	
	IronWolf 510	BarraCuda 515	
	ZP960NM30001	ZP256MC30002	
	ZP1920NM30001	ZP512MC30002	
		ZP1024MC30002	
		ZP2048MC30002	
MARKETING NAME:			
TRADE/BRAND NAME:	Seagate		

I. Product Safety and EMC Compliance

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

EN 55032:2012/AC:2013	Electromagnetic compatibility of multimedia equipment — Emission requirements.
EN 55035:2017	Information technology equipment – Immunity characteristics – Limits and methods of measurement.
EN 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current <= 16 A per phase).
EN 61000-3-3:2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase.

B. 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/AC:2015	Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, Modified)

II. Product Environmental Compliance (EU/China)

A. The product(s) meets the requirements of the 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 and by application of the following standards:

EN IEC 63000:2018	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.
EN 62321-6:2015	Determination of certain substances in electrotechnical products. Polybrominated biphenyls and polybrominated diphenyl ethers in polymers by gas chromatography-mass spectrometry (GC-MS).
China RoHS	Management Methods for Controlling Pollution by Electronic Information Products, Ministry of Information Industry Order No. 39 (China RoHS)
China RoHS 2	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)

B. 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 galvanised 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
6(c)	Copper alloy up to 4% lead by weight
7(a)	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

III. Due Diligence

A. 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.

B. 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: **2018**

Manufacturer's Name: Seagate Technology, LLC
Manufacturer's Address: 47488 Kato Road
Fremont, California 94538, U.S.A

European Contact: Seagate Technology (Netherlands) B.V.
Tupolevlaan 105
1119 PA Schiphol – Rijk
The Netherlands

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 of Issue: 01/11/2022

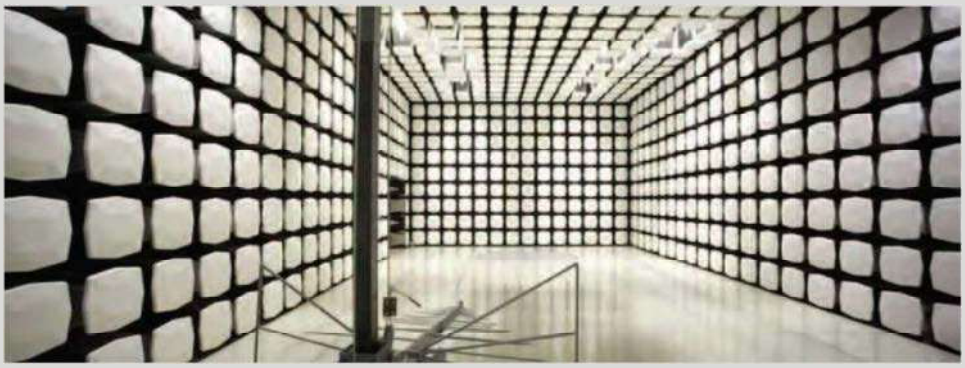
Signature: DocuSigned by: Ken Allen 9D7478D29779420...

Ken Allen
Vice President,
Operations Products and Technology

Seagate Technology LLC

STA016

Report # SEAG0199



NVLAP LAB CODE: 200881-0

CERTIFICATE OF TEST

Last Date of Test: November 28, 2018
Seagate Technology LLC
Model: STA016

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
EN 61000-3-2:2014	IEC 61000-3-2:2014
EN 61000-3-3:2013	IEC 61000-3-3:2013
FCC 15.107:2018 Class B FCC 15.109:2018 Class B FCC 15.109(g):2018 Class B ICES-003:2016 updated April 2017 Class B	ANSI C63.4:2014
VCCI 32-1 Class B	CISPR 32:2015

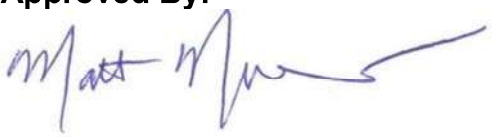
Results

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 28, 2018
Seagate Technology LLC
Model: STA016

Immunity

Standards

Specification	Method
EN 55024:2010	IEC 61000-4-2:2008
	IEC 61000-4-3:2010
	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	B	
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/C	

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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B434-9CED-BECD-81C8

방송통신기자재등의 적합등록 필증

Registration of Broadcasting and Communication Equipments

상호 또는 성명 *Trade Name or Registrant*	SEAGATE TECHNOLOGY LLC
기자재명칭(제품명칭) *Equipment Name*	Solid State Drive
기본모델명 *Basic Model Number*	STA016
파생모델명 *Series Model Number*	ZP2048CM30041, XP1920DC30031, ZP960NM30001, XP960DC30021, ZP1920NM30001, XP1920DC30021, XP960DC30031, ZP2000GM30011, ZP2000GM30001, ZP1000GM30001, ZP500GM30001, ZP2048CM30051
등록번호 *Registration No.*	R-R-STX-STA016
제조자/제조(조립)국가 *Manufacturer/Country of Origin*	SEAGATE TECHNOLOGY LLC / 대만, 태국
등록연월일 *Date of Registration*	2018-12-05
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.

2019년(Year) 03월(Month) 11일(Day)

국립전파연구원장 국립전파연구원장인

Director General of National Radio Research Agency

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

WTD.2016.12.19

Report No. SEAG0199.1

NRRA Notice 2017-71 (2017.12.28) 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 Device	
	Model Name:	STA016	
	KCC ID Number	R-R-STX-STA016	
	Manufacturer:	Seagate Technology LLC	
	Manufacturer Address:	1280 Disc Drive Shakopee, MN 55379	
	Origin Country:	Taiwan, Thailand	
Date(s) of testing		2018-11-26, 2018-11-27, 2018-11-28	
Equipment Class		☐ Class A	☒ Class B
Test Results		☒ PASS	☐ FAIL
Lab Performing the Tests	Element Materials Technology Brooklyn Park Lab 9349 W Broadway Ave. Brooklyn Park, MN 55445 612-638-5136 888-364-2378		

Test Technicians: William Hoffa, Chris Patterson	Operations Manager: Matt Nuernberg

CERTIFICATE OF TEST

Last Date of Test: November 28, 2018
Seagate Technology LLC
Model: STA016

Emissions

Standards

Specification	Method
KN 32 Class B	KN 32

Technical Requirements for Electromagnetic Compatibility: NRRA Notice 2017-19 (2017.12.28)
Test Methods for Electromagnetic Compatibility: NRRA Notice 2017-71 (2017.12.28)
Notice regarding Conformity Evaluation of Broadcasting and Communication Equipment: NRRA Notice 2017-14 (2017.12.05)

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

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CERTIFICATE OF TEST

Last Date of Test: November 28, 2018
Seagate Technology LLC
Model: STA016

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

Technical Requirements for Electromagnetic Compatibility: NRRA Notice 2017-19 (2017.12.28)
Test Methods for Electromagnetic Compatibility: NRRA Notice 2017-71 (2017.12.28)
Notice regarding Conformity Evaluation of Broadcasting and Communication Equipment: NRRA Notice 2017-14 (2017.12.05)

Results

Test Description	Performance Criteria			Comments
	Applied	Standard Specified	Observed Criteria	
Electrostatic Discharge (ESD)	Yes	B	B	
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	20181212-E145123
Report Reference	E145123-A6003-UL
Issue Date	2018-DECEMBER-12
Issued to:	SEAGATE TECHNOLOGY L L C 1280 DISC DR SHAKOPEE MN 55379-1863
This certificate confirms that representative samples of	COMPONENT - AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT Solid State Drive STA015, STA016
	Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 62368-1 and CAN/CSA C22.2 No. 62368-1-14 Standard for Audio/video, information and communication technology equipment Part 1: Safety requirements.
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

CERTIFICATE OF COMPLIANCE

Certificate Number	20190115-E145123
Report Reference	E145123-A55-UL
Issue Date	2019-JANUARY-15
Issued to:	SEAGATE TECHNOLOGY L L C 1280 DISC DR SHAKOPEE MN 55379-1863
This certificate confirms that representative samples of	Information Technology Equipment Including Electrical Business Equipment – Component; Audio/Video, Information and Communication Technology Equipment - Component Solid State Drive – Model: STA015, STA016
	Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 60950-1, 2nd Edition, 2014-10-14, "Information Technology Equipment - Safety - Part 1: General Requirements" and CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10, "Information Technology Equipment - Safety - Part 1: General Requirements."
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

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Bruce Mahrenholz, Director North American Certification Program

UL LLC

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

TÜV SÜD Product Service

CERTIFICATE

No. B 041780 0674 Rev. 00

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

Certification Mark:

Product: **Disk drives**

Solid State Drive

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.: 092-72143766-000

Valid until: 2023-12-06

Date, 2018-12-10 (William P. Weller)

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Product Service

CERTIFICATE

No. B 041780 0674 Rev. 00

Model(s): Regulatory Models: STA015 and STA016

Parameters:

Rated Input Voltage:	+3.3Vdc
Rated Frequency:	dc
Rated Input Current:	STA015: 1.4A STA016: 1.2A
Protection Class:	III
Degree of Protection:	IPX0

Conditions of Acceptability:

1. Solid state drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when drive is installed in the end use product.
3. Proper air flow should be considered in the end use product to limit maximum case temperature to 60°C. Testing was conducted with a 40 CFM fan.

Tested according to: EN 62368-1:2014

Production Facility(ies): 096583, 028752

William P Weller

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TÜV SÜD Product Service

CERTIFICATE

No. B 041780 0673 Rev. 00

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

Certification Mark:

Product: **Disk drives**

Solid State Drive

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.: 092-72143844-000

Valid until: 2020-12-20

Date, 2018-12-10 (William P. Weller)

William P. Weller

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Product Service

CERTIFICATE

No. B 041780 0673 Rev. 00

Model(s): Regulatory Models: STA015 and STA016

Parameters:

Rated Input Voltage:	+3.3Vdc
Rated Frequency:	dc
Rated Input Current:	STA015: 1.4A STA016: 1.2A
Protection Class:	III
Degree of Protection:	IPX0

Conditions of Acceptability:

1. Solid state drives are to be supplied by a reliably SELV power supply.
2. Suitable enclosure (fire/mechanical) to be provided/evaluated when drive is installed in the end use product.
3. Proper air flow should be considered in the end use product to limit maximum case temperature to 60°C. Testing was conducted with a 40 CFM fan.

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

Production Facility(ies): 096583, 028752

William P. Keller

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符合性聲明書

Declaration of Conformity

報驗義務人代碼 Code of the applicant	編號 Number
D33027	032020191550

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）

STA016: ZP2048CM30041, ZP2048CM30051, ZP500GM30001, ZP1000GM30001, ZP2000GM30001, ZP2000GM30011, XP960DC30021, XP1920DC30021, XP960DC30031, XP1920DC30031, ZP960NM30001, XP1920NM30001

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：SEAG0199.2 (EMC)/ ATS/GENV/1056/18/yao and ATS/GENV/240/19/yao (RoHS)
Test Report Number

試驗室名稱及代號：Element Materials Technology (EMC)/ ALS Laboratory Group (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.

SEAGATE TECHNOLOGY

報驗義務人：台灣希捷科技股份有限公司/**Géraldine Hottier-Fayon**（簽章）
Obligatory Applicant The Board Chairman of Seagate Technology Taiwan（Signature）

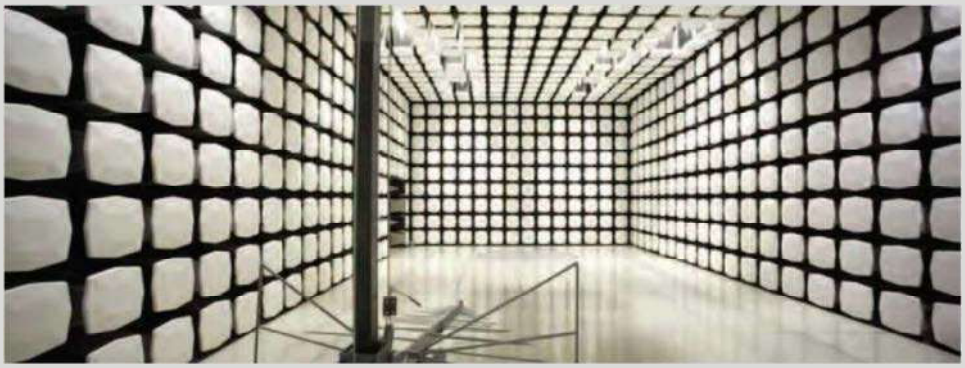
中 華 民 國 108 年 03 月 20 日
DATE (year) (month) (day)

Seagate Technology LLC

STA016

ZP2048CM30041, ZP2048CM30051
ZP2000GM30001, ZP500GM30001
ZP1000GM30001, ZP2000GM30011
XP960DC30021, XP960DC30031
ZP960NM30001, XP1920DC30021
XP1920DC30031, ZP1920NM30001

Report # SEAG0199.2 Rev. 1



NVLAP LAB CODE: 200881-0

CERTIFICATE OF TEST

Last Date of Test: November 27, 2018
Seagate Technology LLC
Model: STA016

Emissions

Standards

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

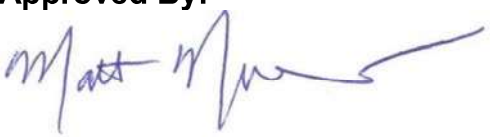
Results

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. As indicated in the Statement of Work sent with the quotation, Element's standard process is to always use the latest published version of the test methods even when earlier versions are cited in the test specification. Issuance of a purchase order was de facto acceptance of this approach. Otherwise, the client would have advised Element in writing of the specific version of the test methods they wanted applied to the subject testing.