TEST REPORT

Reference No	:	WTS18S11130111-2W V1

FCC ID.....: XN6-SB2020G6

Applicant: 2ylux Acoustic Corporation

Address:

3F, 22 Lane 35, Jihu Road, NeiHu Technolongy Park, Taipei, Taiwan

Manufacturer: Vizio Inc.

Address

39 Tesla Irvine, CA 92618 USA

Product : 20 Inch SoundBar 2.0 System

Model(s)..... : SB2020n-G6, SB2020n-G6M

Standards FCC CFR47 Part 1 Section 1.1037:2018 FCC CFR47 Part 2 Section 2.1093:2018

Date of Receipt sample : 2019-01-18

Date of Test : 2019-01-18 to 2019-01-25

Date of Issue : 2019-01-28

Test Result : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Test site/Test location:

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Tested by:

Approved by:

Philo Zhong / Manager

Frank Yin / Test Engineer

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2 Laboratories Introduction

Waltek Services (Shenzhen) Co., Ltd is a professional third-party testing and certification laboratory with multi-year product testing and certification experience, established strictly in accordance with ISO/IEC 17025 requirements, and accredited by ILAC (International Laboratory Accreditation Cooperation) member. A2LA (American Association for Laboratory Accreditation, the certification number is 4243.01) of USA, CNAS (China National Accreditation Service for Conformity Assessment, the registration number is L3110) of China.Meanwhile, Waltek has got recognition as registration and accreditation laboratory from EMSD (Electrical and Mechanical Services Department), and American Energy star, FCC(The Federal Communications Commission), CEC(California energy efficiency), ISED Canada (Innovation, Science and Economic Development Canada). It's the strategic partner and data recognition laboratory of international authoritative organizations, such as Intertek(ETL-SEMKO), TÜV Rheinland, TÜV SÜD, etc.



Waltek Services (Shenzhen) Co., Ltd is one of the largest and the most comprehensive third party testing laboratory in China. Our test capability covered four large fields: safety test. ElectroMagnetic Compatibility(EMC), and energy performance, wireless radio. As a professional, comprehensive, justice international test organization, we still keep the scientific and rigorous work attitude to help each client satisfy the international standards and assist their product enter into globe market smoothly.

2.1 Test Facility

A. Accreditations for Conformity Assessment (International)

Country/Region	Scope Covered By	Scope	Note
USA		FCC ID \ SDoC(VOC/DOC)	1
Canada		IC ID \ VOC	2
Japan		MIC-T \ MIC-R	-
Europe		EMCD\RED	-
Taiwan	100 // = 0 / = 0 -	NCC	-
Hong Kong	ISO/IEC 17025	OFCA	-
Australia		RCM	-
India		WPC	-
Thailand		NTC	-
Singapore		IDA	-

Note:

- 1. FCC Designation No.: CN1201. Test Firm Registration No.: 523476.
- 2. ISED CAB identifier: CN0013.

B.TCBs and Notify Bodies Recognized Testing Laboratory.

Recognized Testing Laboratory of	Notify body number		
TUV Rheinland			
Intertek			
TUV SUD	Optional.		
SGS			
Phoenix Testlab GmbH	0700		
Element Materials Technology Warwick Ltd.	0891		
Timco Engineering, Inc.	1177		
Eurofins Product Service GmbH	0681		

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4 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS18S11130111-2W	2019-01-18	2019-01-18 to 2019-01-25	2019-01-28	original	-	Replaced
WTS18S11130111-2W V1	2019-01-18	2019-01-18 to 2019-01-25	2019-02-15	Revison1	Update the report	Valid

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5 General Information

5.1 General Description of E.U.T

Product : 20 Inch SoundBar 2.0 System

Model(s) : SB2020n-G6, SB2020n-G6M

Operation Frequency: 2402-2480MHz, 79(EDR) Channels in total

Antenna installation : PCB printed antenna

Antenna Gain : 0dBi

Type of Modulation: GFSK, $\pi/4DQPSK$, 8DPSK

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6 RF Exposure

Test Requirement: FCC Part 1.1307

Evaluation Method: FCC Part 2.1093 & KDB 447498 D01 General RF Exposure Guidance v06

6.1 Requirements

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [$\sqrt{f(GHz)}$] \leq 3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR where

- 1. f(GHz) is the RF channel transmit frequency in GHz
- 2. Power and distance are rounded to the nearest mW and mm before calculation
- 3. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

6.2 Test result

Condu cted Peak power(dBm)	Conducted Peak	Source-based time-averaged maximum conducted output power(mW)	Minimum test separation distance required for the exposure conditions (mm)	SAR Test Exclusion Thresholds Calculation Value	SAR Test Exclusion Thresholds Limit	Result
1.51	1.42 o SAR measu	1.42 rement is required.	5	0.45	3.0	Compliance

=====End of Report=====