



Acoustical Test Lab.

PAL Acoustics Technology Ltd.

4F., No.388, Sec. 1, Neihu Rd., Neihu Dist., Taipei City 11493, Taiwan (R.O.C.)

Tel:846-2-2527-2515 Fax:887-2-2627-2295



Sound Power Level Test Report

Report No. : TH1_17_0106

Test Date : 2016/12/6

Category: Desktop Computer

Brand Name: VERSUS

Model Name: Star6000

IGL INDUSTRIES

ROUTE DE GABES KM 10 Z.I. TYNA, 3084 SFAX, TUNISIA.

A handwritten signature in black ink, appearing to read 'Harry Hsueh'.

PAL, Report Signer

Harry Hsueh

Hary_sueh@pal-acoustics.com

A handwritten signature in black ink, appearing to read 'James Liu'.

PAL, Q.A. Manager

James Liu

jame_lie@pal-acoustics.com

A handwritten signature in black ink, appearing to read 'Kyle Tseng'.

PAL, Acoustic Engineer

Kyle Tseng

Kyl_tseng@pal-acoustics.com

11 pages, excluding the cover

1. Introduction

One desktop with trade name "VERSUS", designated as "Star6000", was received at PAL Acoustics Technology Ltd. on 2016/10/25 and tested on 2016/12/6. Determination of the sound power level test was conducted in full conformance with ISO 7779:2010(E) (Acoustics-Measurement of airborne noise emitted by information technology and telecommunications equipment), ISO 3744:2010(E) (Acoustics-Determination of sound power levels and sound energy levels of noise sources using sound pressure-Engineering methods for an essentially free field over a reflecting plane) and followed the ISO 9296:1988(E) (Declared noise emission values of computer and business equipment) to declare the sound power level.

PAL Acoustics Technology Ltd. is a TAF ISO/IEC 17025 accredited lab for acoustic tests. The test was conducted by Kyle Tseng. Data analysis and report generation were conducted by Kyle Tseng.

2. General Information

Report Version:	Ver.02 (Ver.01 was replaced by Ver.02)
Applicant :	EDLTW Co., Ltd
OEM / Manufacturer	IGL INDUSTRIES
Brand name :	VERSUS
Product description :	Desktop Computer
Model name :	Star6000
Quantity :	1 units
Test procedure :	ISO 9296:1988(E); ISO 3744:2010(E); ISO 7779:2010(E)
Standard :	ISO 9296:1988(E); ISO 3744:2010(E); ISO 7779:2010(E)

3. Testing Configuration

Environment:	Temperature:	21.6	°C
	Relative Humidity:	62.1	%
	Barometric pressure:	101.1	kPa
	Testing Chamber:	Hemi-Anechoic Chamber #2, PAL Taipei	
Testing Method:	The sound power level is performed in accordance with the procedures specified in ISO3744: "Acoustics - Acoustics-Determination of sound power levels and sound energy levels of noise sources using sound pressure-Engineering methods for an essentially free field over a reflecting plane", 2010(E),		
	The sound power level is expressed displayed in decibels (reference: 1 pW)		
Frequency Bandwidth:	The testing frequency bandwidth is <u>100 Hz ~ 10 kHz in 1/3 Octave bands</u>		
Frequency Weighting:	The testing frequency weighting is <u>A-Weighted</u>		
Measurement Duration:	Each measurement duration is <u>30 seconds</u>		
Sample Installation:	The testing sample is installed on the floor of geometric center of hemi-anechoic chamber. Radius of the hemisphere measurement surface, $r = 1.0$ m, and the microphone position is shown in <Fig.1> and <Fig.2>.		
Uncertainty:	Uncertainty = 1.2 dBA; The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.		