



## Sound Pressure – Test Report

### **Tactical Arms of Texas/Torrent Suppressors**

Attention: Trey Trosclair

**Client:** 12999 Murphy Road  
Suite M-16  
Stafford, TX 77477

**Report date:** 13 August 2018

**Job number:** 000008589E

**Test procedure and supporting documentation:** Per Customer Instructions  
ITOP 3-2-045

**Sample receipt, identification information, and disposition:**

The sample(s) were received on **2 August 2018**. Sample item identification and description details are provided on the attached data record(s). The test sample(s) were inspected prior to testing and no anomalies were discovered. Sample(s) will be returned, discarded, or held, per customer instructions.

**Test date(s) and location:**

Testing commenced on **13 August 2018**, at the H.P. White Laboratory, Inc. facilities located at 3114 Scarboro Road, Street, Maryland. Testing concluded on **13 August 2018**.

**Report prepared by:** Wesley Mason, Manager of Technical Operations - Hard Armor

**Report reviewed by:** Ashley Gowland, Customer Operations Coordinator

**Revision number and date:** NA

**Test data transmittal method and storage location:**

This test report and test data were transmitted via email in a manner compliant with ISO 17025 requirements. Permanent electronic and hardcopy files are maintained in accordance with HPWLI data storage policy on data storage systems, filed by job number.

**Disclaimer:**

Testing was performed on sample(s) provided by the client. H.P. White Laboratory, Inc. holds no responsibility for sample selection methods. This report is based on data obtained from testing only the sample(s) submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality or performance of any other items of the same, or similar, design. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This testing was performed by H.P. White Laboratory, Inc. to client specification, and the test results are the property of the client, who holds all rights of reproduction or publication of this report and related test data.

**Destination control statement:**

Information contained herein may be subject to the Export Administration Regulations, the Arms Export Control Act and/or the International Traffic in Arms Regulations. These commodities may not be resold, diverted, transferred, made available to, or otherwise disposed of, to any other country or to any person other than the authorized end-user or consignee(s), either in their original form or after being incorporated into other end-items, without first obtaining approval from the U.S. Government.

## Test Procedures

**Sound Pressure Testing:** All testing was conducted on an outdoor range at ambient conditions, in accordance with your instructions and the modified provisions of ITOP 3-2-045, paragraph 4.7.2. Firing was performed using shoulder-fired and hand fired firearms. The firearm was fired at a height of 1.6 meters. Sound results were obtained by using a calibrated Larson Davis LxT portable sound pressure system mounted 1.6 meters from the ground. Table I provides a summary of information of information of the attached data records.

**Table I: Sound Pressure, Summary of Results**

Setup			Results (a)
Caliber	Muzzle Device	Microphone Location	Peak (dB)
M4 Carbine	T2HID	Shooter Ear (c)	137.22
M4 Carbine	None	Shooter Ear (c)	159.76
M4 Carbine	T2HID	270° (b)	128.94
M4 Carbine	None	270° (b)	151.83

(a) Average of five (5) shots.  
(b) Distance from microphone to muzzle, five (5) meters  
(c) Distance from microphone to ear, eight (8)".

Report prepared by:



Wesley Mason  
Manager of Technical Operations - Hard Armor

Report reviewed by:

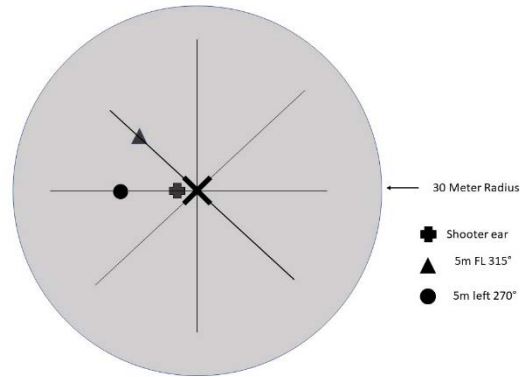


Ashley Gowland  
Customer Operations Coordinator



Sound Testing IAW ITOP 3-2-0145 Paragraph 4.7.2

HPW Job#	8589
Client	Torrent Suppressor
Date	8/13/2018
Firearm	M4 16"
Ammo	5.56x45mm, M193, 55gr.
Suppressor	T2HID
Temp	77
Humidity	78
Pressure	30.04
Wind	NNW 3

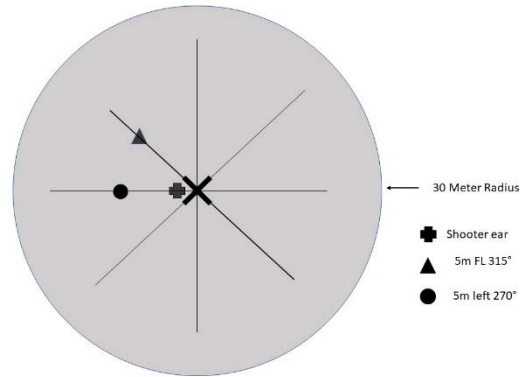


Position	Peak (db)	Notes
Shooter ear	136.2	61
Shooter ear	137.4	62
Shooter ear	139.1	63
Shooter ear	136.9	64
Shooter ear	136.5	65
Shooter Ear Average	137.22	NA
5m Left (270°)	129.2	66
5m Left (270°)	128.4	67
5m Left (270°)	128.7	68
5m Left (270°)	128.9	69
5m Left (270°)	129.5	70
5m Left (270degree) Average	128.94	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°) Average	NA	NA



Sound Testing IAW ITOP 3-2-0145 Paragraph 4.7.2

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Suppressor	None
Temp	77
Humidity	78
Pressure	30.04
Wind	NNW 3



Position	Peak (db)	Notes
Shooter ear	160.1	52
Shooter ear	159.9	53
Shooter ear	159.5	54
Shooter ear	159.6	55
Shooter ear	159.7	56
Shooter Ear Average	159.76	NA
5m Left (270°)	151.5	57
5m Left (270°)	151.7	58
5m Left (270°)	151.9	59
5m Left (270°)	152.2	60
5m Left (270°)	NA	NA
5m Left (270degree) Average	151.83	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°)	NA	NA
5m Front Left (315°) Average	NA	NA