DAY
WIRELESS SYSTEMS

Day Management Corporation dba Day Wireless Systems
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Vancouver Police Dept.

605 E. Evergreen Blvd.
Vancouver, WA 98661

Inventory # 491820

CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION OF ELECTRONIC SPEED MEASURING DEVICES IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, **Les J. Boyd**, do certify under penalty of perjury as follows:

I am employed with **DAY WIRELESS SYSTEMS.** My duties include supervising the maintenance and repair of Doppler and Laser speed measuring devices (SMD's) used by The **VANCOUVER POLICE DEPT.** **2YR CAL CYCLE**

Manufacturer	LIDAR Model	Serial Number
APPLIED CONCEPTS	**STALKER LIDAR XLR**	**LF004207**

I have the following qualifications with respect to the above stated SMD:

Washington Technical Institute for Radio/Electronics, Bell & Howell for Electronics and Advanced Schools Incorporated for Automotive/Electronics, plus numerous courses pertaining to communications and electronics through GTE/Verizon, 35 years of experience in repair, maintenance, and calibration of electronic products. Successfully completed the MPH Industry factory training course on moving and stationary Doppler SMD's and completed factory service training courses on repair/calibration of the Laser Technologies INC. (LTI) Lidar products.

Day Wireless Systems maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of this SMD was performed under my direction. I evaluated this unit and found it to meet or exceed existing performance standards.

The Laser Program specifies: Test Procedures consisting if **(1)** Self-test, initialization and display, **(2)** Scope alignment test is performed by aiming at a prominent target with definitive horizontal and vertical edges. A change in the pitch of the test tone when panning over the edges of test target indicates alignment accuracy. **(3)** Fixed distance/Zero velocity and Delta distance tests are performed with 150' and 175' accurately measured reflective targets. **(4)** Reference frequency test is measured through connection of the Laser SMD download port to a frequency counter, which measures the actual timing accuracy of the SMD.

The SMD listed above was tested and calibrated for accuracy on **JULY 24, 2019.**

Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that it is so designed and constructed as to accurately employ measurement techniques based on the velocity of light in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by a trained operator.

Les J. Boyd

Certified by: Les J. Boyd
Place: Everett, Washington

SUSAN C GORGAS
COMMISSION EXPIRES
NOTARY PUBLIC
JAN. 5, 2021
STATE OF WASHINGTON

STATE OF WASHINGTON)
) ss.
County of Snohomish)

Signed or attested before me on **JULY 30, 2019** by Les J. Boyd

Susan C. Gorgas

Susan C. Gorgas
NOTARY PUBLIC in and for the State of Washington, residing in Everett. My Appointment expires January 5, 2021.

Stalker XLR Lidar

3964

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LIDAR CERTIFICATE OF ACCURACY

I hereby certify the following STALKER® LIDAR Speed Measuring Device Serial # LF004207

Under my supervision, this Speed Measuring Device has been checked for accuracy and correct operation to the manufacturer's specifications. All tests performed per the IACP LIDAR Performance Standards Vol. 1, Oct. 15, 2006.

This STALKER® LIDAR Speed Measuring Device is certified accurate within +1 mph, -2 mph (+2 km/h, -3 km/h) for speed measurements and to within ±1 foot (±1 meter) for distance measurements.

The Laser wavelength of this Speed Measuring Device has been tested and found to be within the specified limits of 905 ±10 nanometers.

The Laser pulse repetition rate of this Speed Measuring Device has been measured and found to be within the specified limits of 130 ±0.1% pulses per second.

The transmitted power of this Speed Measuring Device has been tested and found to be within the F.D.A. (Food and Drug Administration) standard for a Class 1 Laser device and is determined to be EYESAFE.

All test instruments are traceable to NIST.

Technician (signature) Kimberly Keating

Date: 04/20/2017

Technician: Kimberly Keating

Tested at aproximately 23°C

Technician overseen by: Roland Rickerd

Applied Concepts, Inc. | Plano, Texas 75074

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Stalker XLR Lidar

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