



## Mercer Island Municipal Court

**RADAR UNIT # STALKER EC009028**  
**TUNING FORK(S) 015902 25MPH**  
**020278 40MPH**

I am the custodian of the Radar Certification records for Mercer Island Municipal Court. I certify that I maintain the above referenced record pursuant to RCW 5.44. My initials appear below the stamp on the radar certificate indicating it is kept as a public record.

I maintain under penalty of perjury under the laws of the State of Washington that the above statements are true and accurate to the best of my knowledge.

Pauline Lee  
Court Clerk  
Mercer Island Municipal Court

Dated this 25 day of Feb., 2019.

Mercer Island Municipal Court  
9611 SE 36<sup>th</sup> Street, Mercer Island, WA 98040  
206.275.7604 \* fax 206.275.7980

## CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit S.N. EC009028

Antenna #1: S.N. EB015002

Frequency 24.123 GHz

Power Density 0.3 mw/cm<sup>2</sup>

Antenna #2: S.N. EB015001

Frequency 24.122 GHz

Power Density 0.3 mw/cm<sup>2</sup>

Under my supervision, this Speed Measuring Device has been checked for accuracy and correct operation.

This STALKER® Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  km/h) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  km/h) in moving mode.

The transmitter frequency of this speed measuring radar device has been tested and found to be within the prescribed limits as established by the Federal Communications Commission.

The measured Power Density of this speed measuring device has been tested and found to be below the ANSI Standard of 5.0 mw/cm<sup>2</sup> for this device.

All test instruments are traceable to NIST.

Technician (signature)



Date: 10/16/2018

Technician: Hani Almikhlafi

Technician overseen by: Roland Rickerd

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev N  
63815

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NOV 15 2018

MERCER ISLAND  
MUNICIPAL COURT

THIS DOCUMENT IS MAINTAINED  
AS A PUBLIC RECORD  
IN ACCORDANCE WITH RCW 5.44.

PC

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2,899 \pm 5$  Hertz at  $70^\circ\text{F}$  ( $21^\circ\text{C}$ ) resulting in a calibration signal of 40 mph (64 km/h) when used with a K-Band Radar operating at 24.15 GHz. The instrument used to calibrate the tuning fork is traceable to NIST.

Operation from  $-22^\circ\text{F}$  to  $+140^\circ\text{F}$  ( $-30^\circ\text{C}$  to  $60^\circ\text{C}$ ) will result in a speed error of less than 0.5 mph,  $-0.0040$  mph /  $^\circ\text{F}$  (0.8 km/h,  $-0.0065$  km/h /  $^\circ\text{C}$ ).

Date OCT 16 2018 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # 020278

Applied Concepts, Inc.



Plano, Texas 75074

006-0413-00 Rev F

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NOV 15 2018

MERCER ISLAND  
COURT

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $1,819 \pm 5$  Hertz at  $70^\circ\text{F}$  ( $21^\circ\text{C}$ ) resulting in a calibration signal of 25 mph (40 km/h) when used with a K-Band Radar operating at 24.15 GHz. The instrument used to calibrate the tuning fork is traceable to NIST.

Operation from  $-22$  to  $+140^\circ\text{F}$  ( $-30^\circ\text{C}$  to  $60^\circ\text{C}$ ) will result in a speed error of less than 0.5 mph,  $-0.0025$  mph /  $^\circ\text{F}$  (0.8 km/h,  $-0.0041$  km/h /  $^\circ\text{C}$ ).

Date OCT 16 2018 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # 015902

Applied Concepts, Inc.



Plano, Texas 75074

006-0412-00 Rev F

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