

## CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DF003090

Antenna #1: S.N. KC276153

Frequency 34.72 GHz

Power Density 0.2 mw/cm<sup>2</sup>

Antenna #2: S.N. KR060892

Frequency 34.66 GHz

Power Density 0.7 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: 03/30/2025

Technician: Alec Kaplan

Technician overseen by: Wesley Laird

Applied Concepts, Inc. | Richardson, Texas 75081

006-0147-00 Rev R  
195584

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2,614 \pm 5$  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 Ka-Band Radar operating at 34.7 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 29 MAR 2025 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # FA341432

Applied Concepts, Inc.



Richardson, Texas 75081

006-0410-00 Rev E

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $4,166 \pm 5$  Hertz at  $70^{\circ}\text{F}$  ( $21^{\circ}\text{C}$ ) resulting in a calibration signal of 40mph (64 km/h) when used with a Ka-Band Radar operating at 34.7 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,  $-0.0040$  mph/ $^{\circ}\text{F}$  (0.8 km/h,  $-0.0065$  km/h/ $^{\circ}\text{C}$ ).

Date 29 MAR 2025 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # FB451224

Applied Concepts, Inc.



Richardson, Texas 75081

006-0411-00 Rev F