

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210991  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315781  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



## CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. D59044389 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. 86074940 Frequency 34.72 GHz Power Density 1.6 mw/cm<sup>2</sup>  
Antenna #2: S.N. 86074944 Frequency 34.72 GHz Power Density 1.0 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date 2/18/15 Technician (signature) 

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

000-0147-00 Rev M

Unit 1101

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214627  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

[Signature]

Gloucester County

Date 2/18/2015



STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319356  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

[Signature]

Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DS045107 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. KC0800688 Frequency 34.73 GHz Power Density 1.5 mw/cm<sup>2</sup>  
Antenna #2: S.N. KC0800674 Frequency 34.72 GHz Power Density 2 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date JAN - 9 2014

Technician (signature) [Signature]

Technician (name) CHRIS TRULLO

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev-M

Unit #1104

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214478  
has been compared with standards of the State of New Jersey in posses-  
sion of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA-Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS




STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319357  
has been compared with standards of the State of New Jersey in posses-  
sion of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA-Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



I hereby certify this STALKER<sup>®</sup> Speed Measuring Device

Computing Unit: S.N. DS04501a0 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. BC030623 Frequency 34.72 GHz Power Density 1.5 mw/cm<sup>2</sup>  
Antenna #2: S.N. BC030623 Frequency 34.71 GHz Power Density 1 mw/cm<sup>2</sup>

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

This STALKER<sup>®</sup> Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  kph) in stationary mode,  
and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date JAN - 9 2014

Technician (signature) 

Technician (name) CHRIS TRAVILLO

Applied Concepts, Inc. | Plano, Texas 75074


006-0147-05 Rev M

Unit #1105

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210990  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

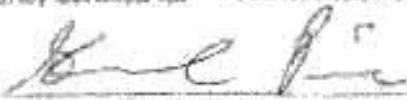
Date 2/18/2015



STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315780  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



I hereby certify this STALKER Speed Measuring Device.

Computing Unit: S.N. DS044596 Frequency      GHz Power Density      mw/cm<sup>2</sup>  
Antenna #1: S.N. K-74829 Frequency 34.7 GHz Power Density 1.0 mw/cm<sup>2</sup>  
Antenna #2: S.N. K-275449 Frequency 34.72 GHz Power Density 1.0 mw/cm<sup>2</sup>


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

This STALKER<sup>®</sup> Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date 2/18/2015 Technician (signature) 

Technician (name) DUNG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-06 Rev M

Unit #1107

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 253 m.p.h. Tuning Fork Serial Number FA159971  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA-Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

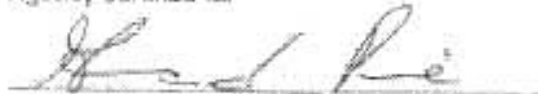
STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 40.3 m.p.h. Tuning Fork Serial Number FB261551  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA-Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

Certificate of Calibration

THIS IS TO CERTIFY THAT ALL APPLICABLE TESTS AND MEASUREMENTS HAVE BEEN MADE ON:  
MODEL STALKER DUAL DSR BAND KA-BAND METER APPLIED CONCEPTS, INC.  
SERIAL NUMBER 32342 ANT. #1 010945 ANT. #2 013210

A "DOPPLER" TRAFFIC RADAR. THE AFORESAID RADAR MEETS AND EXCEEDS ALL SPECIFICATIONS  
R & R RADAR, INC.  
262 WHITE HORSE PIKE  
RICO, N.J. 08504

DATE August 7, 2015

SIGNED 


Unit #1108/Stalker

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214625  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA-Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP, POLICE DEPT,

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

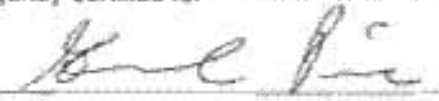
LS



STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB320052  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA-Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP, POLICE DEPT,

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



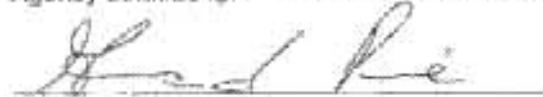
Unit 1109

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210992  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015


LS



STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315782  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DS016342 Frequency — GHz Power Density — mw/cm<sup>2</sup>

Antenna #1: S.N. KA075957 Frequency 34.72 GHz Power Density 0.8 mw/cm<sup>2</sup>

Antenna #2: S.N. KA074800 Frequency 34.26 GHz Power Density 0.8 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date AUG - 2 2013

Technician (signature) 

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

806-0007-00 Rev. 14


Unit #1110

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214479  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

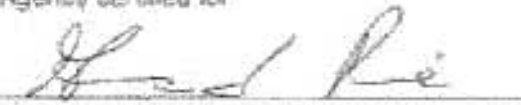


STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319355  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



Unit 1111



STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210988  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

[Signature]  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315778  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

[Signature]  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. D5044285 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. K074834 Frequency 34.72 GHz Power Density 0.7 mw/cm<sup>2</sup>  
Antenna #2: S.N. K075483 Frequency 34.73 GHz Power Density 1.0 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date AUG - 2 2013 Technician (signature) [Signature]

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev M

Unit #1112

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2,614 \pm 5$  Hertz at  $70^\circ\text{F}$  resulting in a calibration signal of 25 mph (40 kph) 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  $-22^\circ\text{F}$  to  $+140^\circ\text{F}$  will result in an error of less than .5 mph (.8 kph).

Date 3-10-16 Technician (signature) Todd L. Gardner

Technician (name) Todd L. Gardner

Serial # 232077

Applied Concepts, Inc.



Plano, Texas 75074

006-0410-00 Rev C

## TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $4,166 \pm 5$  Hertz at  $70^\circ\text{F}$  resulting in a calibration signal of 40.25 mph (64.77 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.

This Tuning Fork has been tested and found to oscillate at  $4,166 \pm 5$  Hertz at  $70^\circ\text{F}$  resulting in a calibration signal of 40.25 mph (64.77 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  $+140^\circ\text{F}$  will result in a speed error of less than .5 mph  $-0.0040 \text{ mph}/^\circ\text{F}$  ( $.8 \text{ km/h} - 0.0065 \text{ km/h}/^\circ\text{F}$ ).

Date 3-10-16 Technician (signature) Todd L. Gardner  
Todd L. Gardner

Technician (name) \_\_\_\_\_

Serial # 339864

Applied Concepts, Inc.



Plano, Texas 75074

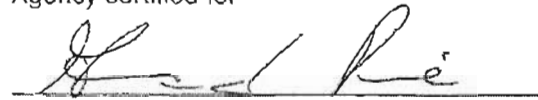
006-0411-00 Rev D

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210989  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

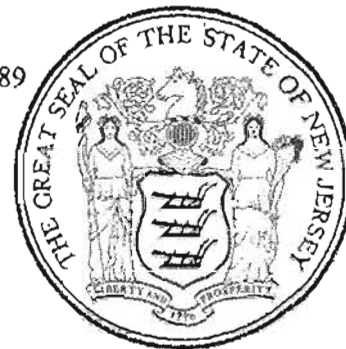


Acting State Superintendent

Gloucester County

Date 2/18/2015

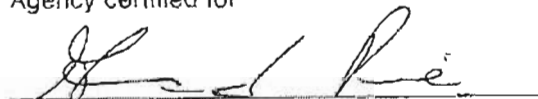
LS



OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315779  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

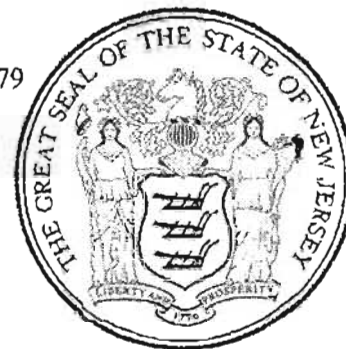


Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



I hereby certify this STALKER<sup>®</sup> Speed Measuring Device.

Computing Unit: S.N. DS044289 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. KC075759 Frequency 34.72 GHz Power Density 0.18 mw/cm<sup>2</sup>  
Antenna #2: S.N. KC075750 Frequency 34.72 GHz Power Density 1.0 mw/cm<sup>2</sup>

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


This STALKER<sup>®</sup> Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date AUG - 2 2013

Technician (signature) 

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev M

Unit #1113

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210986  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.



Agency certified for

FRANKLIN TWP. POLICE DEPT.

Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315776  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.



Agency certified for

FRANKLIN TWP. POLICE DEPT.

Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

## CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DS044263 Frequency --- GHz Power Density --- mw/cm<sup>2</sup>  
Antenna #1: S.N. K075494 Frequency 34.72 GHz Power Density 1.0 mw/cm<sup>2</sup>  
Antenna #2: S.N. K074836 Frequency 34.72 GHz Power Density 1.0 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date 2/18/2015

Technician (signature)

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev M

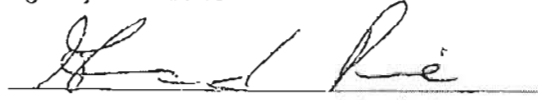
Unit 1114

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA210987  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

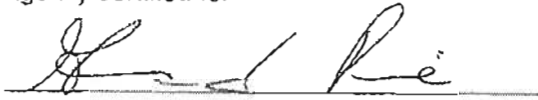
LS



STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB315777  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DS044288 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. K2075757 Frequency 34.72 GHz Power Density 1.5 mw/cm<sup>2</sup>  
Antenna #2: S.N. K2075758 Frequency 34.72 GHz Power Density 0.9 mw/cm<sup>2</sup>

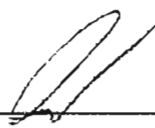
Under my supervision, this Speed Measuring Device has been checked for accuracy and correct operation.

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

Date AUG - 2 2015 Technician (signature) 

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev 14

Unit 1115

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

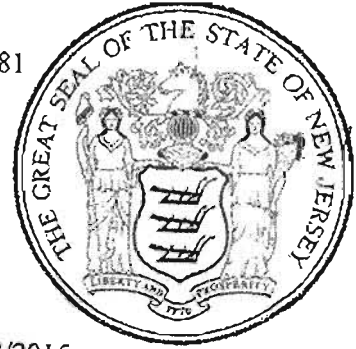
This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214481  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

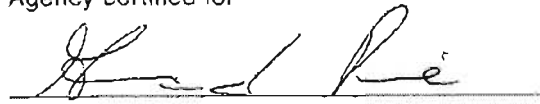


LS

OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

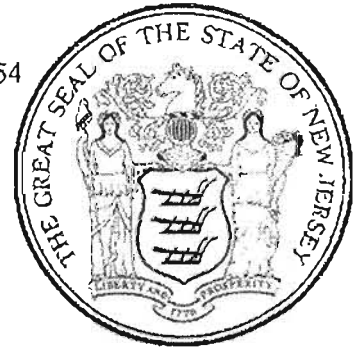
This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319354  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



LS

CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. 25045069 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. KC080085 Frequency 34.72 GHz Power Density 1.5 mw/cm<sup>2</sup>  
Antenna #2: S.N. KC080083 Frequency 34.73 GHz Power Density 1.5 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 ( $\pm 2$  kph) in stationary mode, and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date JAN 9 2014

Technician (signature) 

Technician (name) CHRIS BULLO

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev M


Unit #1116

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214626  
has been compared with standards of the State of New Jersey in possession  
of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

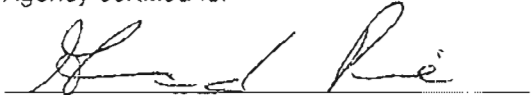


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OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319358  
has been compared with standards of the State of New Jersey in possession  
of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



LS

CERTIFICATE OF ACCURACY

I hereby certify this STALKER<sup>®</sup> Speed Measuring Device.

Computing Unit: S.N. DS045103 Frequency — GHz Power Density — mw/cm<sup>2</sup>  
Antenna #1: S.N. BC080622 Frequency 34.72 GHz Power Density 1.5 mw/cm<sup>2</sup>  
Antenna #2: S.N. BC080628 Frequency 34.72 GHz Power Density 1 mw/cm<sup>2</sup>

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

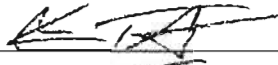
This STALKER<sup>®</sup> Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  kph) in stationary mode,  
and/or  $\pm 2$  mph ( $\pm 3$  kph) in moving mode.

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.

Date JAN - 9 2014

Technician (signature) 

Technician (name) CHRIS TRUJILLO

Applied Concepts, Inc. | Plano, Texas 75074

006-0147-00 Rev M

Unit #1117

# TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at 4,166 ±5 Hertz at 70°F resulting in a calibration signal of 40.25 mph (64.77 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°F will result in a speed error of less than .5 mph  
-0.0040 mph/°F (.8 km/h -0.0065 km/h/°F).

Date MAR 1 2016 Technician (signature) Todd L. Gardner  
Todd L. Gardner

Technician (name) \_\_\_\_\_

Serial # 339415

Applied Concepts, Inc.

Plano, Texas 75074  
006-0411-00 Rev D



This Tuning Fork has been tested and found to oscillate at 2,614 ±5 Hertz at 70° F resulting in a calibration signal of 25 mph (40 kph) 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° F to +140° F will result in an error of less than .5 mph (.8 kph).

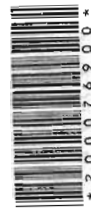
Date MAR 1 2016 Technician (signature) Todd L. Gardner

Technician (name) \_\_\_\_\_

Serial # 232619

Applied Concepts, Inc.

Plano, Texas 75074  
006-0410-00 Rev C



# CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DE4870

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DE4870

Antenna #1: S.N. KC110681

Frequency 34.72 GHz

Power Density 0.6 mw/cm<sup>2</sup>

Antenna #2: S.N. KC110865

Frequency 34.72 GHz

Power Density 1.0 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 ±1 mph (±2 km/h) in stationary mode, and/or ±2 mph (±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: 02/29/2016

Technician: Hani Almikhlafi

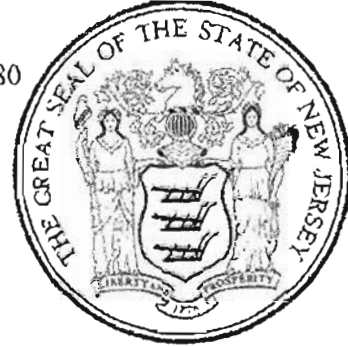
Technician overseen by: Roland Rickerd



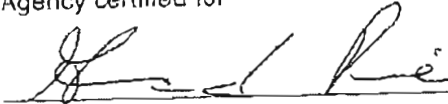
STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA214480  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS

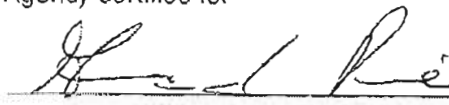
STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319353  
has been compared with standards of the State of New Jersey in possession of the State Superintendent of Weights and Measures. The above tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.



Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015

LS



Unit 1119

STATE OF NEW JERSEY  
OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

Unit Copy

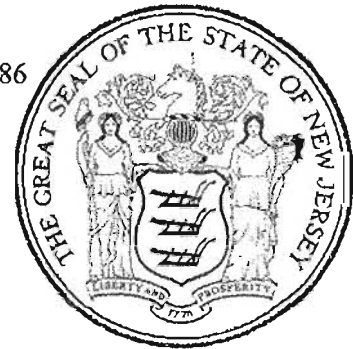
This certifies that 25.25 m.p.h. Tuning Fork Serial Number FA215386  
has been compared with standards of the State of New Jersey in posses-  
sion of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015




LS

OFFICE OF THE  
STATE SUPERINTENDENT OF WEIGHTS AND MEASURES

This certifies that 40.25 m.p.h. Tuning Fork Serial Number FB319401  
has been compared with standards of the State of New Jersey in posses-  
sion of the State Superintendent of Weights and Measures. The above  
tuning fork when used with Radar traffic units operating at 34.7 GHz  
KA - Band will result in the stated m.p.h. value.

Agency certified for FRANKLIN TWP. POLICE DEPT.

  
Acting State Superintendent

Gloucester County

Date 2/18/2015



LS

CERTIFICATE OF ACCURACY

I hereby certify this STALKER<sup>®</sup> Speed Measuring Device.

Computing Unit: S.N. DS045112 Frequency — GHz Power Density — mw/cm<sup>2</sup>

Antenna #1: S.N. KC080610 Frequency 34.72 GHz Power Density 1.5 mw/cm<sup>2</sup>

Antenna #2: S.N. KC080458 Frequency 34.72 GHz Power Density 1.0 mw/cm<sup>2</sup>

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


This STALKER<sup>®</sup> Speed Measuring Device is certified accurate within  $\pm 1$  mph ( $\pm 2$  kph) in stationary mode,  
and/or  $\pm 2$  mph ( $\pm 3$  kph) 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.

Date JAN - F 2014

Technician (signature) 

Technician (name) DONG NGUYEN

Applied Concepts, Inc. | Plano, Texas 75074

036-0147-00 Rev M

Unit #1120