

418

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 FB266358 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 FLORENCE TWP. POLICE DEPT.

*Louis E. Grunberg*  
State Superintendent

Burlington County

Date 10/2/2009



LS

418

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

Unit Copy

This certifies that 25.3 m.p.h. Tuning Fork Serial Number FA167801 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 FLORENCE TWP. POLICE DEPT.

*Louis E. Grunberg*  
State Superintendent

Burlington County

Date 10/2/2009



LS

# TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $2613 \pm 5$  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.

Operation from -22° F to +140° F will result in an error of less than .5 mph (.8 kph)

Technician Todd L. Gardner Date JAN 08 2008 Serial # 167801  
Todd L. Gardner

Applied Concepts, Inc.



Plano, Texas 75074

# TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at  $4165.5 \pm 5$  Hertz at 70°F resulting in a calibration signal of 40 mph (64 kph) when used with a Ka Band Radar operating at 34.7 GHz.

Operation from -22° F to +140° F will result in an error of less than .5 mph (.8 kph)

Technician Todd L. Gardner Date JAN 08 2008 Serial # 266358  
Todd L. Gardner

Applied Concepts, Inc.



Plano, Texas 75074

# CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. 33337 Frequency        GHz Power Density        mw/cm<sup>2</sup>  
Antenna #1: S.N. 27527 Frequency 24.7 GHz Power Density .8 mw/cm<sup>2</sup>  
Antenna #2: S.N. 27639 Frequency 24.7 GHz Power Density .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 ±1 mph (±2 kph) in stationary mode, and/or ±2 mph (±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.

Date JAN 08 2008

Technician (signature) *Scott Kleckner*

Technician (name) Scott Kleckner

Applied Concepts, Inc. Plano, Texas 75074

006-0147-00 Rev K

# CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. 33469 Frequency        GHz Power Density        mw/cm<sup>2</sup>  
Antenna #1: S.N. N/A Frequency        GHz Power Density        mw/cm<sup>2</sup>  
Antenna #2: S.N. N/A Frequency        GHz Power Density        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 kph) in stationary mode, and/or ±2 mph (±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.

Date FEB 15 2008

Technician (signature) *Scott Kleckner*

Technician (name) Scott Kleckner

Applied Concepts, Inc. Plano, Texas 75074

006-0147-00 Rev K



Federal Communications Commission  
Wireless Telecommunications Bureau

RADIO STATION AUTHORIZATION

Licensee: FLORENCE, TOWNSHIP OF

FLORENCE, TOWNSHIP OF  
711 BROAD ST  
FLORENCE NJ 08518

Call Sign KEA396	File Number 000896829
Radio Service PW - Public Safety Pool, Conventional	
Regulatory Status PMRS	

Grant Date 05-23-2002	Effective Date 05-23-2002	Expiration Date 08-17-2012	Print Date 05-23-2002
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STATION TECHNICAL SPECIFICATIONS

Fixed Location Address or Mobile Area of Operation

Loc. 1 Area of Operation  
Other: VIC: FLORENCE NJ

Loc. 2 Address  
MUNICIPAL BLDG BROAD ST  
City FLORENCE County BURLINGTON State NJ  
Lat: (NAD83): 40-7-01.4 N Long: (NAD83): 74-48-28.6 W ASR No.: Ground Elev: 9.0

Antennas

Loc. No.	Ant. No.	Frequencies (MHZ)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
1	1	154.80000	MO	15	0	20K0F3E	35.000				
1	1	155.49000	MO	15	0	20K0F3E	35.000				
2	1	154.80000	FB	1	0	20K0F3E	35.000		23.0		
2	1	155.49000	FB	1	0	20K0F3E	35.000		23.0		

Control Points

Control Address  
PC No. 1 MUNICIPAL BLDG BROAD ST  
City FLORENCE County State NJ Telephone Number (609)499-3131

# Certificate of Calibration

THIS IS TO CERTIFY THAT ALL APPLICABLE TESTS AND MEASUREMENTS HAVE BEEN MADE ON

MODEL STALKER DSR BAND KA - BAND MFR APPLIED CONCEPTS, INC.  
SERIAL NUMBER 33469 ANT. #1 027527 ANT. #2 027639

A "DOPPLER" TRAFFIC RADAR. THE AFORESTATED RADAR MEETS AND EXCEEDS ALL SPECIFICATIONS

**R & R RADAR, INC.**  
762 WHITE HORSE PIKE  
ATCO, N.J. 08004

DATE November 18, 2008  
SIGNED 

© GOES 400

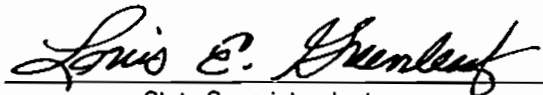
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STATE OF NEW JERSEY  
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Unit Copy

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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 FLORENCE TWP. POLICE DEPT.



State Superintendent

Burlington County

Date

3/10/2008



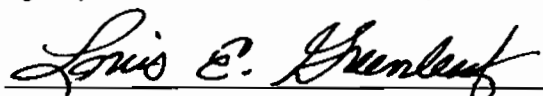
LS

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KA - Band will result in the stated m.p.h. value.

Agency certified for FLORENCE TWP. POLICE DEPT.



State Superintendent

Burlington County

Date

3/10/2008



LS

# Florence Township Police Department Stalker Speed Calibration Sheet

Date: <b>02/09/09</b>	2. Officer: <b>SGT. Mauro Correnti</b>	3. Radar Unit: <b>DS33133</b>	4. Time: <b>0130hrs</b>
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- 5. Turn the RADAR on.
- 6. Push self test button, unit should read 888/888/188 Pass\_X\_\_\_ Fail\_\_\_\_.
- 7. With Unit in stationary mode struck 25mph fork #\_\_167059\_\_ IFO antenna.  
(You should receive a reading of 25 in the target window.)
- 8. Struck 40mph fork #\_266759\_\_ IFO antenna.  
(You should receive a reading of 40 in the target window.)

09. Vehicle Speed	10. RADAR Speed	11. Difference	12. Direction Vehicle/RADAR	13. Vehicle Driver	14. Vehicle Number	15. Vehicle Registration	16. Vehicle Year	17. Vehicle Type
20 MPH	21 MPH	(+)1	S / S	4043	418	MG75086	2007	C/V
30 MPH	31 MPH	(+)1	S / S	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	()	S / S	SAME	SAME	SAME	SAME	SAME
50 MPH	49 MPH	(-)1	S / N	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	()	S / N	SAME	SAME	SAME	SAME	SAME

(+) Speedometer reads faster than actual vehicle speed.      (-) Speedometer reads slower than actual vehicle speed.

18. RADAR Operator

19. Vehicle Operator: -

*Sgt. Mauro Correnti*

*Robert A. Bonds*

# Florence Township Police Department Stalker Speed Calibration Sheet

Date: <b>05/05/2008</b>	2. Officer: <b>Sgt. Brian Boldizar</b>	3. Radar Unit: <b>DS33133</b>	4. Time: <b>0115 hrs</b>
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- 5. Turn the RADAR on.
- 6. Push self test button, unit should read 888/888/188 Pass  Fail\_\_\_\_\_
- 7. With Unit in stationary mode struck 25mph fork # 167059 IFO antenna.  
(You should receive a reading of 25 in the target window.)
- 8. Struck 40mph fork # 266759 IFO antenna.  
(You should receive a reading of 40 in the target window.)

09. Vehicle Speed	10. RADAR Speed	11. Difference	12. Direction Vehicle/RADAR	13. Vehicle Driver	14. Vehicle Number	15. Vehicle Registration	16. Vehicle Year	17. Vehicle Type
20 MPH	20 MPH	0	SB / SB	4030	418	MG75086	2007	C / V
30 MPH	31 MPH	+ 1	SB / SB	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	0	SB / SB	SAME	SAME	SAME	SAME	SAME
50 MPH	50 MPH	0	NB / SB	SAME	SAME	SAME	SAME	SAME
60 MPH	61 MPH	+ 1	NB / SB	SAME	SAME	SAME	SAME	SAME

(+) Speedometer reads faster than actual vehicle speed.      (-) Speedometer reads slower than actual vehicle speed.

18. RADAR Operator: **Sgt. Brian Boldizar**

19. Vehicle Operator: **Ptl. Darrel Fisher**

*Sgt. B. Boldizar*

*Ptl. D. Fisher*

# Florence Township Police Department Speed Calibration Sheet

Date: <b>11/07/2007</b>	2. Officer: <b>Sgt. Brian Boldizar</b>	3. Radar Unit: <b>266000630</b>	4. Time: <b>2345 hrs.</b>
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- 5. Turn the K-55 RADAR on. [X]
- 6. Place The Stationary/Moving switch into the Stationary (STA) position. [X]
- 7. Place the CAL/ICT-L/T switch into the DOWN position. [X]  
(You should receive a reading of 88 in the patrol window and 188 in the target window.)
- 8. Place the CAL/ICT-L/T switch into the UP position. [X]  
(You should receive a reading of 32 in the target window.)
- 9. Then strike the 35 MPH tuning fork (SERIAL #269666) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 35 in the target window.) [X]
- The1 strike the 80 MPH tuning fork (SERIAL #271018) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 80 in the target window.) [X]
- 10. Then strike the 35 MPH tuning fork (SERIAL #827782) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 35 in the target window.) [X]
- Then strike the 80 MPH tuning fork (SERIAL #826439) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 80 in the target window.) [X]

11. Vehicle Speed	12. RADAR Speed	13. Difference	14. Direction Vehicle/RADAR	15. Vehicle Driver	16. Vehicle Number	17. Vehicle Registration	18. Vehicle Year	19. Vehicle Type
20 MPH	20 MPH	( 0 )	NB / NB	4041	418	MG75086	2007	Ford
30 MPH	30 MPH	( 0 )	NB / NB	SAME	SAME	SAME	SAME	SAME
40 MPH	41 MPH	+ ( 1 )	NB / NB	SAME	SAME	SAME	SAME	SAME
50 MPH	50 MPH	( 0 )	SB / NB	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	( 0 )	SB / NB	SAME	SAME	SAME	SAME	SAME

(+) Speedometer reads faster than actual vehicle speed.      (-) Speedometer reads slower than actual vehicle speed.

20. RADAR Operator: <b>Sgt. Brian Boldizar</b> 	21. Vehicle Operator: <b>Ptl. Nicholas Czepiel</b> 
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# Florence Township Police Department Speed Calibration Sheet

Date: <b>04/03/2007</b>	2. Officer: <b>Sgt. Alvin Scully</b>	3. Radar Unit: <b>1806/2263</b>	4. Time: <b>0108</b>					
<p>5. Turn the K-55 RADAR on. <span style="float: right;"><input checked="" type="checkbox"/></span></p> <p>6. Place The Stationary/Moving switch into the Stationary (STA) position. <span style="float: right;"><input checked="" type="checkbox"/></span></p> <p>7. Place the CAL/ICT-L/T switch into the DOWN position. <span style="float: right;"><input checked="" type="checkbox"/></span> (You should receive a reading of 88 in the patrol window and 188 in the target window.)</p> <p>8. Place the CAL/ICT-L/T switch into the UP position. <span style="float: right;"><input checked="" type="checkbox"/></span> (You should receive a reading of 32 in the target window.)</p> <p>9. Then strike the 35 MPH tuning fork (SERIAL # 073424) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 35 in the target window.) Then strike the 35 MPH tuning fork (SERIAL # 269666) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 35 in the target window.) <span style="float: right;"><input checked="" type="checkbox"/></span></p> <p>10. Then strike the 80 MPH tuning fork (SERIAL # 969947) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 80 in the target window.) Then strike the 80 MPH tuning fork (SERIAL # 271018) against a Non-Metallic surface, and place it in front of the RADAR Antenna. (You should receive a reading of 80 in the target window.) <span style="float: right;"><input checked="" type="checkbox"/></span></p>								
11. Vehicle Speed	12. RADAR Speed	13. Difference	14. Direction Vehicle/RADAR	15. Vehicle Driver	16. Vehicle Number	17. Vehicle Registration	18. Vehicle Year	19. Vehicle Type
20 MPH	20	0	SB/SB	4017	418	MG75086 NJ	2007	Ford
30 MPH	30	0	SB/SB	SAME	SAME	SAME	SAME	SAME
40 MPH	40	0	SB/SB	SAME	SAME	SAME	SAME	SAME
50 MPH	51	-1	NB/SB	SAME	SAME	SAME	SAME	SAME
60 MPH	60	0	SB/SB	SAME	SAME	SAME	SAME	SAME
(+) Speedometer reads faster than actual vehicle speed.				(-) Speedometer reads slower than actual vehicle speed.				
20. RADAR Operator: <b>Sgt. Alvin Scully</b>					21. Vehicle Operator: <b>Ptl. Kenneth C. Link</b>			

## K55 RADAR FRONT PANEL CONTROLS

MPH INDUSTRIES, INC.

ON <input checked="" type="radio"/>		CAL <input checked="" type="radio"/>	MOV <input checked="" type="radio"/>		AUTO <input checked="" type="radio"/>	LOCK <input checked="" type="radio"/>	1 VOL
OFF	TARGET	L/T	STA	TARGET	MAN	RELEASE	K55 DOPPLER RADAR

MPH INDUSTRIES, INC.

ON <input checked="" type="radio"/>		ICT <input checked="" type="radio"/>	MOV <input checked="" type="radio"/>		LOCK <input checked="" type="radio"/>	LOW <input checked="" type="radio"/>	1 VOL	SQUELCH 1 DEFEAT
OFF	TARGET	L/T	STA	TARGET	RELEASE	VOLTAGE	K55 DOPPLER RADAR	VOL

MPH INDUSTRIES, INC.

ON <input checked="" type="radio"/>		ICT <input checked="" type="radio"/>	M O V	PBL <input checked="" type="radio"/>		STBY <input checked="" type="radio"/>	R U N	RF <input checked="" type="radio"/>	SQ/UNSQ 1 VOL
OFF	PATROL	LT	V	STA	TARGET	LK/REL	STBY	LV	VOL

K55 DOPPLER RADAR