

414

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 FB266751
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. Grunleuf
State Superintendent

Burlington County

Date 10/2/2009

LS

414

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

This certifies that 25.3 m.p.h. Tuning Fork Serial Number FA167058
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. Grunleuf
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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 3/10/2008



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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 3/10/2008



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CERTIFICATE OF ACCURACY

I hereby certify this STALKER® Speed Measuring Device.

Computing Unit: S.N. DS33106 Frequency — GHz Power Density — mw/cm²
Antenna #1: S.N. 26902 Frequency 34.7 GHz Power Density .7 mw/cm²
Antenna #2: S.N. 26864 Frequency 34.7 GHz Power Density .7 mw/cm²

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/cm² for this device.

Date NOV 29 2007

Technician (signature) _____



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

TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at 4165.5 ± 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 NOV 29 2007 Serial # 266751
Todd L. Gardner

Applied Concepts, Inc.



Plano, Texas 75074

TUNING FORK CERTIFICATE

This Tuning Fork has been tested and found to oscillate at 2613 ± 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 NOV 29 2007 Serial # 167058
Todd L. Gardner

Applied Concepts, Inc.



Plano, Texas 75074


Florence Township Police Department Stalker Speed Calibration Sheet

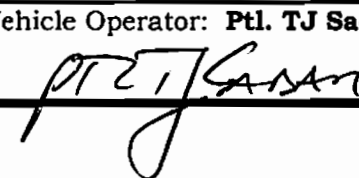
Date: 05/11/2009	2. Officer: Ptl. Nick Czepiel	3. Radar Unit: DS33133	4. Time: 0115 HRS.
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- | | |
|--|-------------------------------------|
| 5. Turn the RADAR on. | <input checked="" type="checkbox"/> |
| 6. Push self test button, unit should read 888/888/188 Pass <u> X </u> Fail <u> </u> . | <input checked="" type="checkbox"/> |
| 7. With Unit in stationary mode struck 25mph fork # <u>167059</u> IFO antenna.
(You should receive a reading of 25 in the target window.) | <input checked="" type="checkbox"/> |
| 8. Struck 40mph fork # <u>266759</u> IFO antenna.
(You should receive a reading of 40 in the target window.) | <input checked="" type="checkbox"/> |

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	-1	SB / NB	4035	414	MG77832	2007	Tahoe
30 MPH	30 MPH	0	SB / NB	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	0	SB / NB	SAME	SAME	SAME	SAME	SAME
50 MPH	50 MPH	-1	NB / NB	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	0	NB / NB	SAME	SAME	SAME	SAME	SAME

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

18. RADAR Operator: **Ptl. Nick Czepiel**


19. Vehicle Operator: **Ptl. TJ Sadar**


Florence Township Police Department Stalker Speed Calibration Sheet

Date: 01/11/2009	2. Officer: Sgt. Brian Boldizar	3. Radar Unit: DS33133	4. Time: 0100 hrs.
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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	21 MPH	+ 1	SB / SB	4034	414	MG77832	2007	Tahoe
30 MPH	29 MPH	- 1	SB / SB	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	0	NB / SB	SAME	SAME	SAME	SAME	SAME
50 MPH	50 MPH	0	NB / SB	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	0	SB / 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. Brian Young
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Florence Township Police Department Stalker Speed Calibration Sheet

Date: 10/23/2008	2. Officer: Sgt. Benjamin Palombi III	3. Radar Unit: DS33133	4. Time: 1845hrs
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|--|-------------------------------------|
| 5. Turn the RADAR on. | <input checked="" type="checkbox"/> |
| 6. Push self test button, unit should read 888/888/188 Pass_____ Fail_____. | <input checked="" type="checkbox"/> |
| 7. With Unit in stationary mode struck 25mph fork # <u>167059</u> IFO antenna.
(You should receive a reading of 25 in the target window.) | <input checked="" type="checkbox"/> |
| 8. Struck 40mph fork # <u>266759</u> IFO antenna.
(You should receive a reading of 40 in the target window.) | <input checked="" type="checkbox"/> |

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 (-)	E / E	4065	414	MG77832	2008	Tahoe
30 MPH	30 MPH	()	E / E	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	()	E / E	SAME	SAME	SAME	SAME	SAME
50 MPH	50 MPH	()	E / E	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	()	E / E	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: - 
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Florence Township Police Department Speed Calibration Sheet

Date: 12/29/2007	2. Officer: Sgt. Benjamin Palombi III	3. Radar Unit: 266000631	4. Time: 1615 hrs
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|--|-------------------------------------|
| 5. Turn the K-55 RADAR on. | <input checked="" type="checkbox"/> |
| 6. Place The Stationary/Moving switch into the Stationary (STA) position. | <input checked="" type="checkbox"/> |
| 7. Place the CAL/ICT-L/T switch into the DOWN position.
<small>(You should receive a reading of 88 in the patrol window and 188 in the target window.)</small> | <input checked="" type="checkbox"/> |
| 8. Place the CAL/ICT-L/T switch into the UP position.
<small>(You should receive a reading of 32 in the target window.)</small> | <input checked="" type="checkbox"/> |
| 9. Then strike the 35 MPH tuning fork (SERIAL # <u>827782</u>) against a Non-Metallic surface, and place it in front of the RADAR Antenna. <small>(You should receive a reading of 35 in the target window.)</small> | <input checked="" type="checkbox"/> |
| Then strike the 35 MPH tuning fork (SERIAL # <u>269756</u>) against a Non-Metallic surface, and place it in front of the RADAR Antenna. <small>(You should receive a reading of 35 in the target window.)</small> | <input checked="" type="checkbox"/> |
| 10. Then strike the 80 MPH tuning fork (SERIAL # <u>826439</u>) against a Non-Metallic surface, and place it in front of the RADAR Antenna. <small>(You should receive a reading of 80 in the target window.)</small> | <input checked="" type="checkbox"/> |
| Then strike the 80 MPH tuning fork (SERIAL # <u>271003</u>) against a Non-Metallic surface, and place it in front of the RADAR Antenna. <small>(You should receive a reading of 80 in the target window.)</small> | <input checked="" type="checkbox"/> |

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	4033	414	MG77832	2007	TAHOE
30 MPH	30 MPH	(0)	NB / NB	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	(0)	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 Sgt. Benjamin Palombi III <i>Sgt Ben Palombi III</i>	21. Vehicle Operator: - Ptl Dave Filippine <i>Ptl. DDM. July 4533</i>
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Florence Township Police Department Speed Calibration Sheet

Date: 04/28/2006	2. Officer: Ptl. Brian Boldizar	3. Radar Unit: R266002943	4. Time: 0145 HRS.
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- 5. Turn the K-55 RADAR on.
- 6. Place The Stationary/Moving switch into the Stationary (STA) position.
- 7. Place the CAL/ICT-L/T switch into the DOWN position.
(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.
(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.)
Then strike the 35 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 35 in the target window.)
- 10. Then strike the 80 MPH tuning fork (SERIAL # 070483) 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 # 070058) 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.)

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	()	SB / SB	4039	414	MG44945	2001	Ford C/V
30 MPH	29 MPH	- (1)	SB / SB	SAME	SAME	SAME	SAME	SAME
40 MPH	40 MPH	()	SB / SB	SAME	SAME	SAME	SAME	SAME
50 MPH	49 MPH	- (1)	NB / SB	SAME	SAME	SAME	SAME	SAME
60 MPH	60 MPH	()	NB / SB	SAME	SAME	SAME	SAME	SAME

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

20. RADAR Operator - Ptl. Brian Boldizar 	21. Vehicle Operator: Ptl. James Ford
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Florence Township Police Department Speed Calibration Sheet

Date: 06/11/2005	2. Officer: Ptl. Brian Boldizar	3. Radar Unit: R266002943	4. Time: 2120 hrs.
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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 # 26966) 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 # 001148) 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 # 001294) 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	SB / SB	4025	414	MG44945	2001	Ford
30 MPH	29 MPH	(-) 1	SB / SB	SAME	SAME	SAME	SAME	SAME
40 MPH	38 MPH	(-) 2	SB / SB	SAME	SAME	SAME	SAME	SAME
50 MPH	51 MPH	() 0	SB / SB	SAME	SAME	SAME	SAME	SAME
60 MPH	59 MPH	(-) 1	SB / SB	SAME	SAME	SAME	SAME	SAME

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

20. RADAR Operator: 	21. Vehicle Operator: 
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