

**CERTIFICATION CONCERNING DESIGN & CONSTRUCTION  
OF SPEED MEASURING DEVICES "RADAR"**

**STATE OF WASHINGTON  
COUNTY OF KITSAP**

**I, Edward E. Cole, swear under penalty of perjury of the laws of the State of Washington, that the following is true and correct:**

- 1) I am employed by, and proprietor of, **Wescom Communications** located at 14760 Starr Rd. SE Olalla, Wa. 98359, telephone (206) 579-6690;
- 2) In this employment, I maintain, repair, calibrate and certify the accuracy of electronic speed measuring devices;
- 3) Wescom is retained by the **City of Buckley Police Department** to maintain, repair, calibrate and certify electronic speed measuring devices;
- 4) I have the following education, experience and qualifications with respect to maintaining, repairing, calibrating and certifying speed measuring devices:
  - a) I hold a Federal Communications Commission license with, a radar endorsement; dated August 1984, license #PG-14-1247;
  - b) I am a N.A.B.E.R. Certified Electronic Technician, and hold a National Association of Business and Educational Radio certificate, dated August 1984;
  - c) I have successfully completed a two (2) year course at Clover Park Vocational Technical College and hold a Land, Mobile, Marine Communications certificate, dated July 1985;
  - d) I have successfully completed a radar Manufacturer's training course which encompassed the design and construction of radar instruments, the repair, maintenance, calibration and certifying of speed measuring devices, and hold a Kustom Traffic Radar Safety Systems certificate, dated May 1987;
  - e) I have accumulated over 40 years and approximately thirty thousand (30,000) hours in repair, maintenance, calibration and certification of speed measuring devices, as of the date of this affidavit;
- 5) Wescom is an authorized service center for speed measuring devices, and as a course of business, maintains service manuals with schematics on these radar instruments, of which I am personally familiar, and make these available for inspection, upon request, at the above office address, for any contest of a notice of infraction;
- 6) Through education and experience, am personally familiar with the design, construction, and operation of these speed measuring devices, which are designed and constructed to accurately employ the Doppler radar principal;
- 7) Wescom maintains a quality assurance testing, calibration, and certification program wherein each speed measuring device is routinely inspected and tested approximately every **24 months** by the following means:
  - a) **Precision Signal Generator test**; a frequency injection test which simulates a vehicle's speed through changing frequencies wherein each speed measuring device must correctly measure and register those simulated speeds in order to be certified accurate;
  - b) **General Operation and Maintenance Check**, wherein all components of the speed measuring device are checked for accurate operation;
  - c) **Internal Calibration Test**, wherein each speed measuring device's internal calibration is verified ;
  - d) **Radio Frequency Interference Check**, wherein each speed measuring device's Radio Frequency Interference detection circuitry is verified;
  - e) **Tuning Fork Test**, wherein each speed measuring device's measurement and reading is checked against a known result indicated on the tuning fork;
  - f) **Field Test**, where in all operations of each speed measuring device are checked by testing against conditions in the field;

8) The speed measuring device/radar instrument listed below was submitted to Wescom Communications by the, **City of Buckley Police Department** to be tested and evaluated by the quality assurance program noted above, and pursuant to that request, I Edward E. Cole, performed all of the program tests, and found that this speed measuring device/radar met or exceeded existing performance standards;

9) Based upon my education, training and experience, and my knowledge of the speed measuring device listed below, it is my opinion that this instrument is so designed and constructed as to accurately and reliably employ the Doppler effect in such a manner that it will give accurate measurements of the speed of motor vehicles, when properly calibrated and operated by a trained operator, to within plus (+) or minus (-) one (1) mile per hour.

**Kustom Talon T1207, tuning fork 88073 30mph. 88095 55mph.**

**Test Date 01-29-2026.**

**Kustom Talon T1313, tuning fork 88072 30mph. 64472 55mph.**

**Test Date 01-29-2026.**

**Kustom Pro1000DS DS14282, tuning fork 52155 35mph. 45761 65mph.**

**Test Date 01-29-2026.**

**Decatur Genesis GHD03914, tuning fork 256716 33mph. 264686 77mph.**

**Test Date 01-29-2026.**

**Decatur Genesis GHD11785, tuning fork 218656 33mph. 218558 77mph.**

**Test Date 01-29-2026.**

**Decatur Genesis GHD19200, tuning fork 281443 33mph. 282219 77mph.**

**Test Date 02-15-2024.**

**Decatur Genesis GHD20908, tuning fork 296685 33mph. 297165 77mph.**

**Test Date 01-29-2026.**

**Decatur Scout 2 SHD2-00849, tuning fork 300164 33mph.**

**Test Date 01-29-2026.**

**Decatur Scout 2 SHD2-00858, tuning fork 300285 33mph.**

**Test Date 01-29-2026.**

**Decatur Scout 2 SHD2-00859, tuning fork 300169 33mph.**

**Test Date 01-29-2026.**

**Decatur Scout 2 SHD2-00985, tuning fork 300121 33mph.**

**Test Date 01-29-2026.**

**Stalker MDR AS002279, tuning fork FA149849 25mph. FB251289 40mph.**

**Test Date 01-29-2026.**

**Stalker DSR2X DP12928, tuning fork FA181336 25mph. FB282337 40mph.**

**Test Date 01-29-2026.**

**Stalker Patrol EC001528, tuning fork FD010900 25mph. FE010597 40mph.**

**Test Date 01-29-2026.**

State of Washington

County of Kitsap

Signature: Edward E. Cole Date and Place 1-29-2026 Olalla, Wa.

Printed Name: Edward E. Cole

**CERTIFICATION CONCERNING DESIGN AND  
CONSTRUCTION OF SPEED MEASURING DEVICES (SMD'S)  
RE: LIDAR LASER (LIGHT DETECTION AND RANGING)**

**STATE OF WASHINGTON  
COUNTY OF Kitsap**

I, **Edward E. Cole**, swear under penalty of perjury of the laws of the State of Washington, **that the following is true and correct:**

1) I am employed by, and proprietor of, **Wescom Communications** located at **14760 Starr Rd. SE Olalla, Wa. 98359**, telephone **(206) 579-6690**;

2) In this employment, I maintain, repair, calibrate and certify the accuracy of electronic speed measuring devices; (SMD's), Lidar Laser, and Radar.

3) Wescom is retained by the **City of Buckley Police Department** to maintain, repair, calibrate, and certify the accuracy of electronic speed measuring devices.

4) I have the following education, experience and qualifications with respect to maintaining, repairing, calibrating and certifying speed measuring devices:

a) I hold a Federal Communications Commission license with, a radar endorsement; dated August 1984, license #PG-14-1247.

b) I have successfully completed a two (2) year course at Clover Park Vocational Technical College and hold a Land, Mobile, Marine Communications certificate, dated July 1985.

c) I have successfully completed a Lidar Laser manufacturer's course and training which encompassed design, construction, repair, maintenance, calibration, and certification of the Lidar Laser speed measuring device, and received a Kustom Signals certificate dated November 1997.

d) I have successfully completed a radar Manufacturer's training course which encompassed the design and construction of radar instruments, the repair, maintenance, calibration and certifying of speed measuring devices, and hold Kustom Traffic Radar Safety Systems certificates from 1987 and 1997.

e) I have accumulated over 40 years and approximately Thirty Thousand (30,000) hours in repair, maintenance, calibration and certification of speed measuring devices, as of the date of this affidavit.

5) Wescom Communications is an authorized service center for speed measuring devices, and as a course of business, maintain service manuals for the Lidar Laser, of which I am personally familiar, and make these available for inspection, upon request, at the above office address, for any contest of a notice of infraction.

6) Through education, experience, and training, I am personally familiar with the design, construction, and operation of these speed measuring devices. In regard to the Lidar Laser, it is designed and constructed so as to accurately and reliably employ measurement techniques based on the velocity of light as a constant in such manner that each Lidar Laser speed measuring device will give accurate and reliable measurements of the speed of motor vehicles when used by a trained operator.

7) Wescom maintains a quality assurance testing, calibration, and certification program wherein each speed measuring device is routinely inspected and tested every **24 months** by the following means;

- a) *Self-calibration Test*; wherein each instrument's self calibration is verified during the initial power on and when the self-test switch is activated,
- b) *Scope Alignment Test*, wherein each instrument's scope aiming reticle is verified to be aligned with the Lidar Laser beam at all target distances,
- c) *General Operation and Maintenance Check*, wherein each instrument's display and all function controls are tested for accurate operation,
- d) *Range Accuracy Test*, wherein each instrument's range measurements are verified to be accurate to plus (+) or minus (-) six inches,
- e) *Speed Accuracy Test*, wherein each instrument's speed readings are compared to speed readings received and displayed by a calibrated Doppler radar speed measuring device, (*Kustom Trooper KK19794 that I personally calibrated and certified for accuracy on 01-29-2026 Prior to testing the Lidar SMD listed below*), and that these speed readings are taken simultaneously on an isolated lone targeted motor vehicle and the speed ready accuracy was within (+) or (-) one mile per hour by comparison,
- f) *Display Test*, where each instrument's display segments are verified accurate,
- g) *Audio Test*, wherein each instrument's audio output is verified,

8) The Lidar Laser speed measuring device listed below was submitted to Wescom Communications by the **City of Buckley Police Department** to be tested and evaluated by the quality assurance program noted above, and pursuant to that request, I Edward E. Cole, performed all of the program tests, and found that this speed measuring device/lidar meets or exceeded existing performance standards;

9) Based upon my education, training and experience, and my knowledge of the Lidar Laser speed measuring device listed below, it is my opinion that this instrument is so designed and constructed as to accurately and reliably employ measurement techniques based on the velocity of light as a constant, in such a manner that each Lidar Laser speed measuring device will give accurate measurements of the speed of motor vehicle when properly tested and operated by trained operator with an accuracy of plus (+) or minus (-) one mile per hour.

**Kustom Pro Lite LP03407.**

**Test Date 01-29-2026**

State of Washington  
County of Kitsap

Signature: Edward E. Cole Date and Place 1-29-2026 Olalla, Wa.

Printed Name: Edward E. Cole



# OFFICER COPY

## Pierce County Radio Communications

1422 112<sup>th</sup> Street East  
Tacoma, Washington 98445  
(253) 798-7147

### CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

|                           |                       |                 |                   |
|---------------------------|-----------------------|-----------------|-------------------|
| Manufacturer:             | <u>Stalker Radar</u>  | Date Certified: | <u>06/16/2025</u> |
| Model:                    | <u>Stalker Patrol</u> | Agency:         | <u>PCSD</u>       |
| Serial Number:            | <u>EC001449</u>       |                 |                   |
| Operating Frequency Band: | <u>Ka</u>             |                 |                   |

The aforesaid radar meets and exceeds all manufacturer's specifications.

### TUNING FORK

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

|                                  |               |                 |                   |
|----------------------------------|---------------|-----------------|-------------------|
| Tuning Fork Serial No.:          | <u>015036</u> | Date Certified: | <u>06/16/2025</u> |
| Oscillation (Cycles per Second): | <u>1813</u>   | Agency:         | <u>PCSD</u>       |
| Operating Frequency Band:        | <u>Ka</u>     |                 |                   |
| MPH:                             | <u>25</u>     |                 |                   |

When operated between the temperature of -22F to +140F no correction is required.

### TUNING FORK

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

|                                  |               |                 |                   |
|----------------------------------|---------------|-----------------|-------------------|
| Tuning Fork Serial No.:          | <u>01889D</u> | Date Certified: | <u>06/16/2025</u> |
| Oscillation (Cycles per Second): | <u>2892</u>   | Agency:         | <u>PCSD</u>       |
| Operating Frequency Band:        | <u>Ka</u>     |                 |                   |
| MPH:                             | <u>40</u>     |                 |                   |

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 06/16/2025 Raymond Fleming  
DATED SIGNED



**Pierce County  
Radio Communications**

1422 112<sup>th</sup> Street East  
Tacoma, Washington 98445  
(253) 798-7147

**CERTIFICATE OF CALIBRATION & ACCURACY**

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

|                           |                      |                 |                   |
|---------------------------|----------------------|-----------------|-------------------|
| Manufacturer:             | <u>Stalker Radar</u> | Date Certified: | <u>07/21/2025</u> |
| Model:                    | <u>Stalker II</u>    | Agency:         | <u>BKPD</u>       |
| Serial Number:            | <u>AS016032</u>      |                 |                   |
| Operating Frequency Band: | <u>Ka</u>            |                 |                   |

The aforesaid radar meets and exceeds all manufacturer's specifications.

**TUNING FORK**

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

|                                  |               |                 |                   |
|----------------------------------|---------------|-----------------|-------------------|
| Tuning Fork Serial No.:          | <u>262196</u> | Date Certified: | <u>07/21/2025</u> |
| Oscillation (Cycles per Second): | <u>1815</u>   | Agency:         | <u>BKPD</u>       |
| Operating Frequency Band:        | <u>Ka</u>     |                 |                   |
| MPH:                             | <u>25</u>     |                 |                   |

When operated between the temperature of -22F to +140F no correction is required.

**TUNING FORK**

I, Raymond Fleming, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

|                                  |               |                 |                   |
|----------------------------------|---------------|-----------------|-------------------|
| Tuning Fork Serial No.:          | <u>369681</u> | Date Certified: | <u>07/21/2025</u> |
| Oscillation (Cycles per Second): | <u>2866</u>   | Agency:         | <u>BKPD</u>       |
| Operating Frequency Band:        | <u>Ka</u>     |                 |                   |
| MPH:                             | <u>40</u>     |                 |                   |

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 07/21/2025

DATED

Raymond Fleming  
SIGNED