

**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 Renton 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 35 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;

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Page 1 of 2

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RENTON MUNICIPAL COURT

- 7) Wescom maintains a quality assurance testing, calibration, and certification program wherein each speed measuring device is routinely inspected and tested approximately every **12 months** by the following means;
- 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;
 - General Operation and Maintenance Check**, wherein all components of the speed measuring device are checked for accurate operation;
 - Internal Calibration Test**, wherein each speed measuring device's internal calibration is verified ;
 - Radio Frequency Interference Check**, wherein each speed measuring device's Radio Frequency Interference detection circuitry is verified;
 - Tuning Fork Test**, wherein each speed measuring device's measurement and reading is checked against a known result indicated on the tuning fork;
 - 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 Renton 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.

Stalker DSR2X DB014819, forks FA269177 25mph. FB377384 40mph. .	Test Date 04-05-2023.
Stalker DSR2X DB014822, forks FA269175 25mph. FB377385 40mph. .	Test Date 04-05-2023.
Stalker DSR2X DB022973, forks FA300218 25mph. FB410308 40mph. .	Test Date 05-31-2023.
Kustom Falcon FF19344, fork 17878 50 mph.	Test Date 05-31-2023.
Kustom Falcon FH03144, fork 20560 35 mph.	Test Date 05-31-2023.
Kustom Falcon FH14916, fork 94642 35mph. 94663 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14917, fork 94643 35mph. 94676 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14918, fork 94640 35mph. 94661 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14919, fork 94629 35mph. 94667 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14920, fork 94645 35mph. 94665 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14921, fork 94638 35mph. 94670 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14922, fork 94651 35mph. 94674 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14923, fork 94614 35mph. 94672 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14924, fork 94607 35mph. 94678 65mph.	Test Date 08-12-2023.
Kustom Falcon FH14925, fork 94620 35mph. 93571 65mph.	Test Date 08-12-2023.

State of Washington

County of Kitsap

Signature: Edward E Cole Printed Name: Edward E. Cole

Date and Place 8-12-2023 Olalla , WASHINGTON.

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 - e) I have accumulated over **35 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;

Page 1 of 2

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JUN 14 2023
RENTON MUNICIPAL COURT

- 7) Wescom maintains a quality assurance testing, calibration, and certification program wherein each speed measuring device is routinely inspected and tested approximately every **12 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 Renton 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.

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State of Washington

County of Kitsap

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Date and Place 5-31-2023 Olalla , WASHINGTON.

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Test Date 04-05-2023.

State of Washington

County of Kitsap

Signature:  Printed Name: Edward E. Cole

Date and Place 4-5-2023 Olalla , WASHINGTON.