



Mercer Island Municipal Court

RADAR UNIT # Kustom Raptor RP1, RP29399

TUNING FORK(S): 25747 30mph, 25947 55 mph

I am the custodian of the Radar Certification records for Mercer Island Municipal Court. I certify that I maintain the above referenced record pursuant to RCW 5.44. My initials appear below the stamp on the radar certificate indicating it is kept as a public record.

I maintain under penalty of perjury under the laws of the State of Washington that the above statements are true and accurate to the best of my knowledge.

Sabina Chang

Sabina Chang
Court Clerk
Mercer Island Municipal Court

Dated this 20th day of Feb, 2023.

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

STATE OF WASHINGTON

COUNTY OF KING

FILED

FEB 22 2024

MERCER ISLAND
MUNICIPAL COURT

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

I am employed by, and proprietor of, **Wescom Communications** located at 14760 Starr Rd. SE, Olalla, Washington 98359; 206-579-6690; wescom500@msn.com

- 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 Mercer Island 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 30 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 **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 Mercer Island 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 Raptor RP1, RP29399, tuning fork 25747 30mph. 25947 55mph.	Test Date 01-30-2024.
Kustom Raptor RP1, RP29447, tuning fork 25746 30mph. 25945 55mph.	Test Date 01-30-2024.
Kustom Raptor RP1, RP29449, tuning fork 25744 30mph. 25946 55mph.	Test Date 01-30-2024.
Kustom Talon II TA03822, tuning fork 42874 55mph.	Test Date 01-30-2024.
Kustom Talon II TA04432, tuning fork 51886 55mph.	Test Date 01-30-2024.
Kustom Talon II TA04433, tuning fork 38725 55mph.	Test Date 01-30-2024.
Kustom Talon II TA04834, tuning fork 58283 55mph.	Test Date 01-30-2024.
Kustom Talon II TA05139, tuning fork 61305 55mph.	Test Date 01-30-2024.
Kustom Talon II TA05795, tuning fork 19844 55mph.	Test Date 01-30-2024.

State of Washington
County of Kitsap

Signature:  Printed Name: Edward E. Cole

Date and Place 1-31-2024 Olalla, Washington.

- 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 Mercer Island 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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