Genesis VPD 1684

RADAR CERTIFICATION FORM
Updated as of 12/06/02

STATE OF WASHINGTON)
) ss
COUNTY OF KING)

CERTIFICATION CONCERNING DESIGN & CONSTRUCTION OF SPEED MEASURING DEVICES

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

1) I am employed by, and the proprietor of, WesCom Communications, with offices located at 207 SW 41st Street, Renton, WA 98055, phone (425) 251-6666;

2) In this employment, I maintain, repair, calibrate and certify the electronic speed measuring devices;

3) WesCom Communications is retained by the City of Bellevue 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, Licensed, August, 1984 License No. PG 14-1247;

b) I have successfully completed a two (2) year course at Clover Park Vocational Technical School, entitled Land Mobile Marine Communications, Electronics Maintenance and Repair, Certificate, July, 1985;

c) I have successfully completed a radar manufacturer's course and training which encompassed design and construction of radar instruments, repair, maintenance, calibration and certifying speed measuring devices, Kustom Traffic Radar Safety Systems, Certificate, May, 1987 and November 1997;

d) I have accumulated approximately seven thousand (7,000) 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 all radar makes utilized by the City of Bellevue Police Department and maintains service manuals with schematics on these radar instruments, of which I am personally familiar;

a) These manuals are available for inspection at above office address, upon request, for any contestant of a notice of infraction issued by the City of Bellevue Police Department;

6) Through education and experience, I am personally familiar with the design, construction and operation of the speed measuring devices utilized by the Bellevue Police Department, and these instruments are so designed and constructed to accurately employ the Doppler radar principle;

7) WesCom Communications maintains a quality assurance testing, calibration and certification program wherein each speed measuring device is tested approximately every twelve (12) months and such testing entails:

a) Precision Signal Generator Test, a frequency injection test which simulates a vehicle speed measurement through changing frequencies; each instrument must correctly measure and register simulated vehicle speed in order to be certified accurate;

b) General Operation/Maintenance Check, wherein all components of the instrument are checked for accurate operation;

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5) WesCom Communications is an authorized service center for all radar makes utilized by the City of Bellevue Police Department and maintains service manuals with schematics on these radar instruments, of which I am personally familiar;

a) These manuals are available for inspection at above office address, upon request, for any contestant of a notice of infraction issued by the City of Bellevue Police Department;

6) Through education and experience, I am personally familiar with the design, construction and operation of the speed measuring devices utilized by the Bellevue Police Department, and these instruments are so designed and constructed to accurately employ the Doppler radar principle;

7) WesCom Communications maintains a quality assurance testing, calibration and certification program wherein each speed measuring device is tested approximately every twelve (12) months and such testing entails:

a) Precision Signal Generator Test, a frequency injection test which simulates a vehicle speed measurement through changing frequencies; each instrument must correctly measure and register simulated vehicle speed in order to be certified accurate;

b) General Operation/Maintenance Check, wherein all components of the instrument are checked for accurate operation;

c) Internal Calibration Test, wherein each instrument's internal calibration is verified;

d) Radio Interference Check, wherein each instrument's radio interference detection is verified;

e) Low Voltage Test, unit will not display any reading when supply voltage is below 10.5 volts DC;

f) Tuning Fork Test, wherein each instrument measurement and reading is checked against a known result indicated on a tuning fork;

g) Field Test, wherein all operations of each instrument are checked by testing against conditions in the field;

8) Each radar instrument listed below is submitted to WesCom Communications by the City of Bellevue Police Department; each instrument is evaluated by the quality assurance program, noted above, approximately every twelve months; each instrument meets or exceeds existing performance standards;

Instrument:

Genesis VPD 1684 Testing Date: 2-3-2009

9) Based upon my education, training and experience, and my knowledge of the speed measuring devices listed above, it is my opinion that each of these instruments 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.

Edward E. Cole

Edward E. Cole
WesCom Communications
207 SW 41st Street
Renton, WA 98055

2-3-2009
Date Signed

Renton, WA
Place Signed

IF RADAR in question is not listed, please call the Police Traffic Unit at 425-452-6940.

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