ORIGINAL

STATE OF WASHINGTON)
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COUNTY OF SNOHOMISH)

AFFIDAVIT OF CERTIFICATION CONCERNING DESIGN AND CONSTRUCTION OF ELECTRONIC SPEED MEASURING DEVICES PURSUANT TO IRLJ 6.6 (January 3, 2006).

I, David T. Martin, do certify under penalty of perjury under the laws of the State of Washington, as follows:

I am employed by the Snohomish County Public Works Department as an electronics technician. My office is located at: 3402 McDougall Avenue, Everett, Washington 98201 (425) 388-6060. I have been employed in such capacity for 5 years. Part of my duties includes the maintenance, certification, and testing of all electronic speed measuring devices (SMDs) used by the Lynnwood Police Department.

The Lynnwood Police Department currently uses SMDs from the following manufacturers: Kustom Signals Inc., Decatur Electronics. The following speed measuring device (SMD) is specific to this Affidavit of Certification:

Manufacturer	Decatur Electronics	
Model	Genesis VPD	
Serial Number	7486	
Tuning Fork(s)	33mph/218660	77mph/231932
Antenna(s)	_____	_____

I have the following education, experience and qualifications necessary to calibrate and certify the above stated SMD:

1) Messing School of Electronics, Oakland California, one year course;
2) Attended a maintenance and repair class from Kustom Signals Inc;
3) Over 22 years with direct repair experience on Doppler speed measuring equipment;
4) 17 years with the Washington State Patrol as a radio technician;
5) 1 year with the Alameda County Sheriff's department as a communication technician.

This agency maintains a manual for the above stated SMD, and I am personally familiar with the manual. This manual is available for inspection at the above address, upon request. On 03-21-12, I tested the above SMD. The SMD was evaluated to meet or exceed existing performance standards as prescribed by the respective manufacturer and traceable to the National Institute of Standards and Technology.

The Lynnwood Police Department maintains a testing and certification program. This program requires that each SMD be tested once every year. Such testing entails, at a minimum, the following:

A) Signal Generator Test: A frequency injection test which simulates a vehicle measurement through changing frequencies and each instrument must correctly measure and register simulated vehicle speed in order to be certified as being accurate. In moving mode, two signals are applied simultaneously through a resistive combiner. Measurements are then taken of transmit frequency, and accompanying tuning forks. Tuning forks accuracy can also be tested;
B) General Operation and Maintenance Check: All functions are checked for correct operation;
C) Internal Calibration Test: Each speed measuring device is checked and verified that its internal calibration is working properly;
D) Radio Frequency Interference Check: Each SMD Radio Frequency Interference detection circuitry is verified to be working properly;
E) Tuning Fork Test: Each instrument measurement and reading is checked against a known result indicated on a tuning fork;
F) Field Test: A field test is optional.

Based upon my education, training, experience, and my knowledge of the SMD listed above, it is my opinion that the above listed electronic piece of equipment is so designed and constructed as to accurately 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.

Certified by: Signature David T. Martin Name: David T. Martin Date 3-21-12 Place: Everett, WA

I have satisfactory evidence that the person described in this document" (a) is personally known to me; OR (b) is identified upon oath or affirmation of a credible witness; OR (c) is identified on the basis of identification documents.

RACHAEL A. McNIEL
COMMISSION EXPIRES
NOTARY
PUBLIC
4-12-2013
STATE OF WASHINGTON

Subscribed and sworn before me on this 21 day of March, 2012.

Rachael A McNiel

NOTARY PUBLIC, in and for the State of Washington,
residing in Snohomish, my commission expires on 4.12.13.

ORIGINAL

SNOHOMISH COUNTY PUBLIC WORKS ELECTRONIC REPAIR SERVICES
SERVICE REPORT FOR DOPPLER RADAR SPEED MEASURING DEVICES

Customer: LYNNWOOD POLICE	Manufacturer: Decatur	Band: K	ID Number:
Address	Model: Genesis VPD		DATE REC'D / DATE CAL'D 3-20-12
City: State: Zip:	Unit Serial Number: 7486		
Attn: Telephone:	Antenna Serial #:	Antenna Serial #:	
Reason for Service: Routine Calibration	Frequency GHZ: 24139	Frequency GHZ:	
	Sensitivity Pass ☑	Sensitivity Pass ☐	
	SPEED ACCURACY		
	Stationary Pass ☑	Moving Pass ☐	
Comments: Meets Mfr Specs: ☑	**TUNING FORK**		**PERFORMANCE TESTS** Pass
	MPH 33	SN 218660	DISPLAY ☑
	MPH 77	SN 231932	LAMP TEST ☑
			SQUELCH ☑
			LOCK/REL ☑
			AUDIO ☑
			LOW VOLTAGE ☐
			RANGE ☑
			RFI ☑
			HOLD/STBY ☑