



CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION  
 OF ELECTRONIC SPEED MEASURING DEVICES  
 IRLJ RULE 6.6 EFFECTIVE 1/3/2009

**FILED**  
**MAY 10 2012**  
 LOWER RUTHERFORD COUNTY  
 DISTRICT COURT

I, James M Elliott II, do certify under penalty of perjury as follows:

I am employed with **DAY WIRELESS SYSTEMS**, an authorized MPH Industries and Kustom Signals Speed Measuring Device (SMD) Service Center, as a Calibration Technician since February 2012. Part of my duties includes supervising the maintenance and repair of all electronic and laser speed measuring devices (SMD's).

The **Kittitas Police Dept.** currently uses the following SMD:

<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
KUSTOM	FALCON HR	FH06381
	35 MPH Tuning Fork	54873
	65 MPH Tuning Fork	50747
	Antenna	NA

I have the following qualifications with respect to the above stated SMD:

Eight years of combined experience maintaining and repairing communications and electronic devices. Three years US Air Force – Satellite communications and telemetry systems. Four years at Olympic Radio as a field technician. One year with Day Wireless as a Journeyman Technician. I have successfully completed a course in repair and service of Doppler radar and Pro Laser Lidar systems by Kustom Signals. I have my FCC GROL (General Radio Operator's License).

Our company maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of the SMD was performed under my direction. The unit was evaluated to meet or exceed existing performance standards.

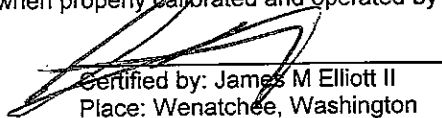
Our company maintains a testing and certification program of this SMD. The Doppler program specifies: test procedures consisting of utilizing precision signal generators, connected to a factory waveguide assembly via coaxial cable; to simulate various speeds to verify accuracy. In moving mode; two signals are applied simultaneously, separated through attenuation. Measurements are taken of; transmit frequency, operating current, receiver sensitivity and any accompanying tuning forks. Operational functions are tested.

This SMD listed above was tested and calibrated for accuracy on **FEBRUARY 24, 2012**

This calibration for accuracy is valid for up to three years from the date of testing in accordance with the National Highway Traffic Safety Administration recommendations for radar certifications.

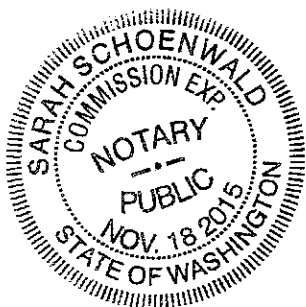
Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

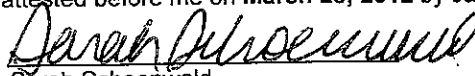
Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that each of these pieces of equipment is so designed and constructed as to accurately employ the Doppler effect in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by trained personnel.

  
 Certified by: James M Elliott II  
 Place: Wenatchee, Washington

STATE OF WASHINGTON            )  
 County of Chelan                )

Signed or attested before me on **March 28, 2012** by James M Elliott II.



  
 Sarah Schoenwald  
 NOTARY PUBLIC in and for the State of  
 Washington, residing in Moses Lake. My  
 Appointment expires November 18, 2015.



CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION  
 OF ELECTRONIC SPEED MEASURING DEVICES  
 IRLJ RULE 6.6 EFFECTIVE 1/3/2006



I, James M Elliott II, do certify under penalty of perjury as follows:

I am employed with **DAY WIRELESS SYSTEMS**, an authorized MPH Industries and Kustom Signals Speed Measuring Device (SMD) Service Center, as a Calibration Technician since February 2012. Part of my duties includes supervising the maintenance and repair of all electronic and laser speed measuring devices (SMD's).

The Kittitas Police Dept. currently uses the following SMD:

<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
PROGRESSIVE ELECTRONICS	PHANTOM PATROL	903
	35 MPH Tuning Fork	2868
	65 MPH Tuning Fork	2871
	Antenna	NO TAG

I have the following qualifications with respect to the above stated SMD:

Eight years of combined experience maintaining and repairing communications and electronic devices. Three years US Air Force – Satellite communications and telemetry systems. Four years at Olympic Radio as a field technician. One year with Day Wireless as a Journeyman Technician. I have successfully completed a course in repair and service of Doppler radar and Pro Laser Lidar systems by Kustom Signals. I have my FCC GROL (General Radio Operator's License).

Our company maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of the SMD was performed under my direction. The unit was evaluated to meet or exceed existing performance standards.

Our company maintains a testing and certification program of this SMD. The Doppler program specifies: test procedures consisting of utilizing precision signal generators, connected to a factory waveguide assembly via coaxial cable; to simulate various speeds to verify accuracy. In moving mode; two signals are applied simultaneously, separated through attenuation. Measurements are taken of; transmit frequency, operating current, receiver sensitivity and any accompanying tuning forks. Operational functions are tested.

This SMD listed above was tested and calibrated for accuracy on **FEBRUARY 24, 2012**

This calibration for accuracy is valid for up to three years from the date of testing in accordance with the National Highway Traffic Safety Administration recommendations for radar certifications.

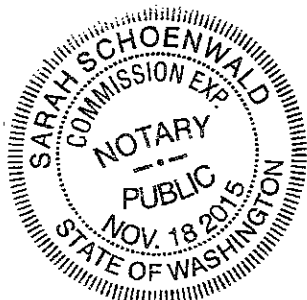
Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that each of these pieces of equipment is so designed and constructed as to accurately employ the Doppler effect in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by trained personnel.

Certified by: James M Elliott II  
 Place: Wenatchee, Washington

STATE OF WASHINGTON )  
 County of Chelan )

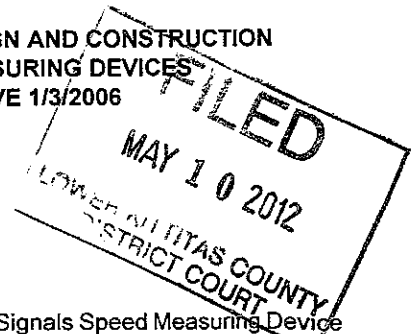
Signed or attested before me on **March 28, 2012** by James M Elliott II.



Sarah Schoenwald  
 NOTARY PUBLIC in and for the State of  
 Washington, residing in Moses Lake. My  
 Appointment expires November 18, 2015.



CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION  
 OF ELECTRONIC SPEED MEASURING DEVICES  
 IRLJ RULE 6.6 EFFECTIVE 1/3/2006



I, James M Elliott II, do certify under penalty of perjury as follows:

I am employed with DAY WIRELESS SYSTEMS, an authorized MPH Industries and Kustom Signals Speed Measuring Device (SMD) Service Center, as a Calibration Technician since February 2012. Part of my duties includes supervising the maintenance and repair of all electronic and laser speed measuring devices (SMD's).

The Kittitas Police Dept. currently uses the following SMD:

<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
PROGRESSIVE ELECTRONICS	PHANTON PATROL	905
	35 MPH Tuning Fork	2870
	65 MPH Tuning Fork	2873
	Antenna	NO TAG

I have the following qualifications with respect to the above stated SMD:

Eight years of combined experience maintaining and repairing communications and electronic devices. Three years US Air Force – Satellite communications and telemetry systems. Four years at Olympic Radio as a field technician. One year with Day Wireless as a Journeyman Technician. I have successfully completed a course in repair and service of Doppler radar and Pro Laser Lidar systems by Kustom Signals. I have my FCC GROL (General Radio Operator's License).

Our company maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of the SMD was performed under my direction. The unit was evaluated to meet or exceed existing performance standards.

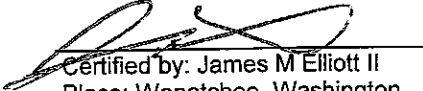
Our company maintains a testing and certification program of this SMD. The Doppler program specifies: test procedures consisting of utilizing precision signal generators, connected to a factory waveguide assembly via coaxial cable; to simulate various speeds to verify accuracy. In moving mode; two signals are applied simultaneously, separated through attenuation. Measurements are taken of; transmit frequency, operating current, receiver sensitivity and any accompanying tuning forks. Operational functions are tested.

This SMD listed above was tested and calibrated for accuracy on FEBRUARY 24, 2012.

This calibration for accuracy is valid for up to three years from the date of testing in accordance with the National Highway Traffic Safety Administration recommendations for radar certifications.

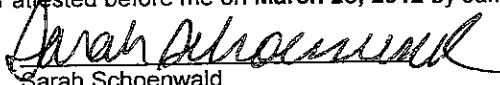
Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

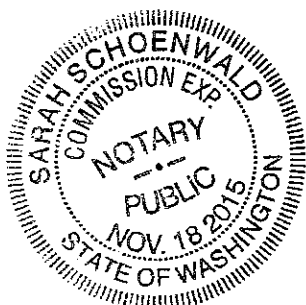
Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that each of these pieces of equipment is so designed and constructed as to accurately employ the Doppler effect in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by trained personnel.

  
 Certified by: James M Elliott II  
 Place: Wenatchee, Washington

STATE OF WASHINGTON )  
 County of Chelan )

Signed or attested before me on **March 28, 2012** by James M Elliott II.

  
 Sarah Schoenwald  
 NOTARY PUBLIC in and for the State of  
 Washington, residing in Moses Lake. My  
 Appointment expires November 18, 2015.





CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION  
 OF ELECTRONIC SPEED MEASURING DEVICES  
 IRLJ RULE 6.6 EFFECTIVE 1/3/2006



I, James M Elliott II, do certify under penalty of perjury as follows:

I am employed with DAY WIRELESS SYSTEMS, an authorized MPH Industries and Kustom Signals Speed Measuring Device (SMD) Service Center, as a Calibration Technician since February 2012. Part of my duties includes supervising the maintenance and repair of all electronic and laser speed measuring devices (SMD's).

The Kittitas Police Dept. currently uses the following SMD:

<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
PROGRESSIVE ELECTRONICS	PHANTON SPEED	641
	35 MPH Tuning Fork	1988
	65 MPH Tuning Fork	1994
	Antenna	NO TAG

I have the following qualifications with respect to the above stated SMD:

Eight years of combined experience maintaining and repairing communications and electronic devices. Three years US Air Force – Satellite communications and telemetry systems. Four years at Olympic Radio as a field technician. One year with Day Wireless as a Journeyman Technician. I have successfully completed a course in repair and service of Doppler radar and Pro Laser Lidar systems by Kustom Signals. I have my FCC GROL (General Radio Operator's License).

Our company maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of the SMD was performed under my direction. The unit was evaluated to meet or exceed existing performance standards.

Our company maintains a testing and certification program of this SMD. The Doppler program specifies: test procedures consisting of utilizing precision signal generators, connected to a factory waveguide assembly via coaxial cable; to simulate various speeds to verify accuracy. In moving mode; two signals are applied simultaneously, separated through attenuation. Measurements are taken of; transmit frequency, operating current, receiver sensitivity and any accompanying tuning forks. Operational functions are tested.

This SMD listed above was tested and calibrated for accuracy on **FEBRUARY 24, 2012**.

This calibration for accuracy is valid for up to three years from the date of testing in accordance with the National Highway Traffic Safety Administration recommendations for radar certifications.

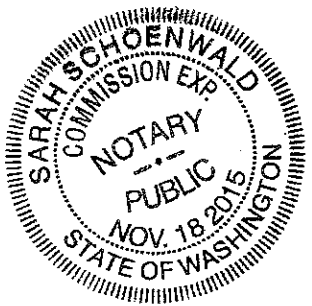
Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that each of these pieces of equipment is so designed and constructed as to accurately employ the Doppler effect in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by trained personnel.

Certified by: James M Elliott II  
 Place: Wenatchee, Washington

STATE OF WASHINGTON )  
 County of Chelan )

Signed or attested before me on **March 28, 2012** by James M Elliott II.



Sarah Schoenwald  
 NOTARY PUBLIC in and for the State of Washington, residing in Moses Lake. My Appointment expires November 18, 2015.

**Certificate Concerning Design and Construction of Electronic Speed Measuring Devices  
IRLJ Rule 6.6**

I, Elizabeth Renee' LaMar, do certify under penalty of perjury as follows:

I am employed with MPH Industries as a Production Technician, a position I have held for 3 years with almost 20 years prior experience as a Technician.

Part of my duties includes overseeing the certification and calibration of speed measuring devices (SMD's).

The radar model being calibrated: Z-25

The serial number(s) of its display/counting unit(s): HHS 569000668

The serial number(s) of its antenna(s): \_\_\_\_\_

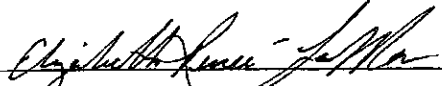
I have the following qualifications with respect to the above stated SMD.

I have almost 20 years experience as a Technician prior to employment with MPH Industries and 3 years experience employed as a Production Technician with MPH. My responsibilities with MPH include the maintenance, calibration and repair of SMD's. I graduated with honors from ITT Technical Institute with an Associates Degree in Electronic Engineering Technology, and later with a Bachelor of Applied Science in Electronic Engineering Technology.

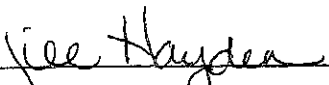
Our company maintains records for the above stated SMD. I am personally familiar with the operation manuals for this SMD and how it is designed and operated. All initial testing of the SMD was conducted under my directions. The units were evaluated to meet or exceed existing performance standards. Our company maintains a testing and certification program for each SMD it manufactures. The SMD listed above was tested and calibrated for accuracy with tractability to the National Institute of Standards and Technology (formerly National Bureau of Standards). If tuning forks accompanied the SMD, they also were certified as accurate.

Based upon my education, training, experience and my knowledge of the SMD listed above, it is my opinion that this SMD is so designed and constructed as to accurately employ the Doppler effects such that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by trained personnel.

MPH Industries does hereby certify the above listed radar unit meets manufacturer's published specifications and has been calibrated using standards whose accuracy's are traceable to the National Institute of Standards and Technology.

  
Certified By: Elizabeth Renee' LaMar

3-8-12  
Date Signed

  
Notary Public in and for the State of Kentucky  
My appointment expires 3-19-13

3-8-12  
Date Signed

# Tuning Fork CERTIFICATE OF ACCURACY

This is to certify that on 1-13-2012 tuning fork Serial No. 288 772  
was tested and found to oscillate at 4685 cycles per second. Such  
oscillation causes a doppler radar operating in the K band to read 65 mph.  
When operated over the temperature of  $-22^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$  no correction is required.



316 East Ninth Street / Owensboro, KY 42303

GC-026 MPD-164B Rev. 4/01

*Suzanne Wilkins-John*  
Technician

# Tuning Fork CERTIFICATE OF ACCURACY

This is to certify that on 1-16-2012 tuning fork Serial No. 288881  
was tested and found to oscillate at 2920 cycles per second. Such  
oscillation causes a doppler radar operating in the K band to read 65 mph.  
When operated over the temperature of  $-22^{\circ}\text{F}$  to  $+140^{\circ}\text{F}$  no correction is required.



316 East Ninth Street / Owensboro, KY 42303

GC-026 MPD-164B Rev. 4/01

*Suzanne Wilkins-John*  
Technician