MUNICIPAL COURT

LAKEWOOD • UNIVERSITY PLACE • STEILACOOM • DUPONT

SUSAN ADAMS
MUNICIPAL COURT
JUDGE

DEANA L. WRIGHT
MUNICIPAL COURT
ADMINISTRATOR

Speed Measuring Device (SMD) Calibration Certificates for **UNIVERSITY PLACE**

Last updated 06/25/2020

Calibrations are good for 2 years

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Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	05/15/2019
Model:	Python	Agency:	PCSD
Serial Number:	PYT546001944		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	274859	Date Certified:	05/15/2019
Oscillation (Cycles per Second):	2519	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	276253	Date Certified:	05/15/2019
Oscillation (Cycles per Second):	4678	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 05/15/2019 .
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	09/29/2016
Model:	Python	Agency:	PCSD
Serial Number:	PYT546002565		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	279950	Date Certified:	09/29/2016
Oscillation (Cycles per Second):	2518	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	279698	Date Certified:	09/29/2016
Oscillation (Cycles per Second):	4679	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 9/29/16 _____.
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Cody Hill, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	03/16/2020
Model:	Python	Agency:	PCSD
Serial Number:	PYT546002877		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Cody Hill, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	268485	Date Certified:	03/16/2020
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Cody Hill, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	631718	Date Certified:	03/16/2020
Oscillation (Cycles per Second):	4678	Agency:	PCSD
Operating Frequency Band::	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 3-16-2020 Cody Hill.

DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	11/05/2018
Model:	Python	Agency:	PCSD
Serial Number:	PYT546002959		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	283245	Date Certified:	11/05/2018
Oscillation (Cycles per Second):	2521	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	282675	Date Certified:	11/05/2018
Oscillation (Cycles per Second):	4688	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 11/05/2018 .
DATED

SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	04/23/2020
Model:	Python	Agency:	PCSD
Serial Number:	PYT546003357		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	284984	Date Certified:	04/23/2020
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	284924	Date Certified:	04/23/2020
Oscillation (Cycles per Second):	4693	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 04/23/2020 .
DATED

SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	02/16/2017
Model:	Python	Agency:	PCSD
Serial Number:	PYT546004259		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	290073	Date Certified:	02/16/2017
Oscillation (Cycles per Second):	2521	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	290695	Date Certified:	02/16/2017
Oscillation (Cycles per Second):	4677	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 2/16/17 _____
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Cody Hill do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	08/06/2019
Model:	Python III	Agency:	PCSD
Serial Number:	PYT846001839		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Cody Hill, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	072097	Date Certified:	08/06/2019
Oscillation (Cycles per Second):	2518	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Cody Hill, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	262598	Date Certified:	08/06/2019
Oscillation (Cycles per Second):	4677	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 8-6-19 (DATED) Cody Hill (SIGNED)

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	06/11/2019
Model:	Python	Agency:	PCSD
Serial Number:	PYT380001397		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	261312	Date Certified:	06/11/2019
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	250544	Date Certified:	06/11/2019
Oscillation (Cycles per Second):	4680	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 06/11/2019 (DATED) Ray Fleming (SIGNED)

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	05/12/2020
Model:	Python	Agency:	PCSD
Serial Number:	PYT380001682		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	74175	Date Certified:	05/12/2020
Oscillation (Cycles per Second):	2531	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	74197	Date Certified:	05/12/2020
Oscillation (Cycles per Second):	4682	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 5/12/20 (DATED) [signature] (SIGNED).

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	10/12/2018
Model:	Python	Agency:	PCSD
Serial Number:	PYT546000410		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	266074	Date Certified:	10/12/2018
Oscillation (Cycles per Second):	2518	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	264224	Date Certified:	10/12/2018
Oscillation (Cycles per Second):	4678	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 10/12/2018 [signature].
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	12/12/2019
Model:	Python	Agency:	PCSD
Serial Number:	PYT546000465		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	267011	Date Certified:	12/12/2019
Oscillation (Cycles per Second):	2524	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	265831	Date Certified:	12/12/2019
Oscillation (Cycles per Second):	4675	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 12/12/2019 .
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	08/14/2019
Model:	Python	Agency:	PCSD
Serial Number:	PYT546001345		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	5231	Date Certified:	08/14/2019
Oscillation (Cycles per Second):	2507	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	5141	Date Certified:	08/14/2019
Oscillation (Cycles per Second):	4659	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 08/14/2019 .

DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	04/20/2018
Model:	Python	Agency:	PCSD
Serial Number:	PYT380000218		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	277430	Date Certified:	04/20/2018
Oscillation (Cycles per Second):	2518	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	072008	Date Certified:	04/20/2018
Oscillation (Cycles per Second):	4680	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 04/20/2018 .
DATED

SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	05/01/2018
Model:	Python	Agency:	PCSD
Serial Number:	PYT380000438		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	226731	Date Certified:	05/01/2018
Oscillation (Cycles per Second):	2519	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	201215	Date Certified:	05/01/2018
Oscillation (Cycles per Second):	4684	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 05/01/2018 _____.
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	07/29/2016
Model:	Python	Agency:	PCSD
Serial Number:	PYT380000570		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	277395	Date Certified:	07/29/2016
Oscillation (Cycles per Second):	2523	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	226420	Date Certified:	07/29/2016
Oscillation (Cycles per Second):	4684	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 7/29/16 (DATED) (SIGNED)

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	05/01/2018
Model:	Python	Agency:	PCSD
Serial Number:	PYT3800000786		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	279201	Date Certified:	05/01/2018
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	965495	Date Certified:	05/01/2018
Oscillation (Cycles per Second):	4680	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 05/01/2018 .
DATED

SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	07/07/2017
Model:	Python	Agency:	PCSD
Serial Number:	PYT380001395		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	264310	Date Certified:	07/07/2017
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	270706	Date Certified:	07/07/2017
Oscillation (Cycles per Second):	4677	Agency:	PCSD
Operating Frequency Band::	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 07/07/17 _____
DATED SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	06/15/2017
Model:	Python II	Agency:	PCSD
Serial Number:	PYT546001043		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	261755	Date Certified:	06/15/2017
Oscillation (Cycles per Second):	2534	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	262613	Date Certified:	06/15/2017
Oscillation (Cycles per Second):	4726	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 6/15/2017 (DATED) (SIGNED)

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming ,do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	04/24/2017
Model:	Python	Agency:	PCSD
Serial Number:	PYT546004027		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	270866	Date Certified:	04/24/2017
Oscillation (Cycles per Second):	2522	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	278954	Date Certified:	04/24/2017
Oscillation (Cycles per Second):	4682	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 04/24/2017 .
DATED

SIGNED

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 798-7147

CERTIFICATE OF CALIBRATION & ACCURACY

I, Raymond Fleming do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Traffic Radar equipment:

Manufacturer:	MPH Industries	Date Certified:	01/22/2020
Model:	Python	Agency:	PCSD
Serial Number:	PYT546005167		
Operating Frequency Band:	K		

The aforesaid radar meets and exceeds all manufacturer's specifications.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	289043	Date Certified:	01/22/2020
Oscillation (Cycles per Second):	2520	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	35		

When operated between the temperature of -22F to +140F no correction is required.

TUNING FORK

I, Raymond Fleming , do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the following Doppler Radar Tuning Forks:

Tuning Fork Serial No.:	072002	Date Certified:	01/22/2020
Oscillation (Cycles per Second):	4683	Agency:	PCSD
Operating Frequency Band:	K		
MPH:	65		

When operated between the temperature of -22F to +140F no correction is required.

I certify under penalty of perjury, under the laws of the State of Washington, that the above statements are true and correct.

Dated and Signed at Tacoma, Washington 01/22/2020 _____
DATED SIGNED

CERTIFICATION CONCERNING DESIGN AND CONSTRUCTION OF ELECTRONIC SPEED MEASURING DEVICES AND LASER SPEED MEASURING DEVICES

I, Raymond Fleming, do certify under penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that the following is true and correct:

I am employed with Pierce County as a Communications Systems Technician, Speed Measuring Device (SMD) Specialist, and assigned as the custodian of the SMD records. I have been employed in this capacity since August 29th 2016. Part of my duties include the maintenance and repair of all types of electronic radar and laser speed measuring devices (SMD's) used by the Pierce County Sheriff's Department.

The Pierce County Sheriff's Department currently uses the following SMD's:

SMD TYPE:	MODEL:	MANUFACTURE:
Radar	Bee III	MPH Industries
Radar	Bee-36	MPH Industries
Radar	Enforcer	MPH Industries
Radar	K-15	MPH Industries
Radar	K-15 II	MPH Industries
Radar	Speedgun	MPH Industries
Radar	Speedgun Pro	MPH Industries
Radar	TS-3	MPH Industries
Radar	Vindicator	MPH Industries
Radar	Python	MPH Industries
Radar	Python II	MPH Industries
Radar	Python III	MPH Industries
Radar	Z-15	MPH Industries
Radar	Z-25	MPH Industries
Radar	Z-35	MPH Industries
Radar	Genesis II	Decatur Electronics
Radar	Genesis II Directional	Decatur Electronics
Radar	Genesis II Select	Decatur Electronics
Radar	Genesis GHS	Decatur Electronics
Radar	Genesis VPD	Decatur Electronics
Radar	Genesis S1-2	Decatur Electronics
Radar	Genesis S1-3	Decatur Electronics
Radar	Falcon	Kustom Signals
Radar	Falcon HR	Kustom Signals
Radar	HR-12	Kustom Signals
Radar	Golden Eagle	Kustom Signals
Radar	Golden Eagle II	Kustom Signals
Radar	Talon II	Kustom Signals
Radar	Raptor RP-1	Kustom Signals
Laser	Pro-Lite	Kustom Signals
Laser	ProLaser II	Kustom Signals
Laser	ProLaser III	Kustom Signals
Laser	TruSpeed	Laser Technology Inc
Radar	Stalker DSR-2X	Applied Concepts
Radar	Stalker ATR	Applied Concepts
Radar	Stalker II MDR	Applied Concepts
Radar	Stalker II SDR	Applied Concepts
Radar	Stalker Dual SL	Applied Concepts
Radar	Stalker Patrol	Applied Concepts

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

I have twenty-five years combined military and civilian experience as a communications specialist in the maintenance and repair of electronics equipment and three years with Pierce County repairing, maintaining, and certifying SMD's for cities throughout the state. I received training from the following manufacturer as well as from the Pierce County Lead Systems Technician. On March 22, 2017 I successfully completed the MPH Industries course in operation and maintenance of Doppler traffic radar and traffic laser. On April 4th, 2019 I successfully completed the Laser Technology Inc, course for factory service training on the LTI Tru-Speed series laser radar.

The Pierce County Radio Communications Division maintains manuals for all the above listed SMD's. I am personally familiar with those manuals and know how each of the SMD's are designed and operated. From March 22, 2017 to June 18, 2020. I performed a majority of the SMD testing. The units are evaluated and certified to meet or exceed existing performance standards.

The Pierce County Radio Communications Division maintains a testing and certification program for the Pierce County Sheriff's Department wherein each SMD is inspected and checked every five years by the following means:

Radar SMD's utilize the Doppler effect to measure speed. Testing consists of using a precision signal generator to inject a signal into the SMD to simulate speeds of 35mph and 65mph for the stationary/moving radars. It also includes injection of a signal to simulate 35mph for stationary radar only. The signal must cause the SMD to display the exact speed, ± 1 mile per hour, in order to be certified for accuracy. I then measure the frequency of the tuning fork(s) assigned to each SMD to insure that they are within ± 5Hz tolerance. I issue a certificate of accuracy for both the SMD and the tuning fork(s). The original certificates are issued to the Lakewood District Court. I also retain a copy for my records along with the maintenance and service records for each SMD serviced.

Laser SMD's measure speed based on the velocity of light and a precision time base reference. Testing consists of three accuracy certification checks (1) Internal Self Test (2) Pulse Check to include; pulse width, power output, pulse repetition rate, and double pulse (3) and a Distance Check to include; sight alignment, vertical, and horizontal beam width $\geq$ 200 feet. The checks insure that the SMD is within tolerance and functioning properly. I then issue a certificate of accuracy for each SMD. The original certificates are issued to the Pierce County Sheriff's Department who in turn issues a copy to the Court. I also retain a copy for my records along with the maintenance and service records for each SMD serviced.

All radar SMD's operated by the Pierce County Sheriff's Department directly measure by digital message from the Doppler signal. They do not reconstitute the Doppler signal in any way, including the use of devices such as a phase lock loop (PLL), before the speed is measured.

Based upon my education, training and experience, and my knowledge of the radar SMD's listed above, it is my opinion that each of these electronic pieces 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 or, in the case of laser SMD's, each of these pieces of equipment is so designed and constructed as to accurately employ measurement techniques based on the velocity of light 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.

I certify under the penalty of perjury, under the laws of the State of Washington, that the foregoing is true and correct.

Raymond Fleming
Communications Systems Technician/
Speed Measuring Device Specialist

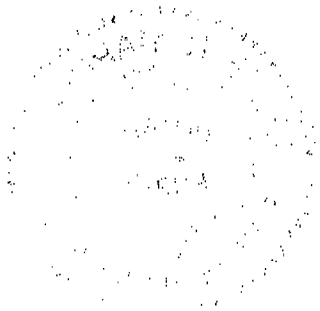
Signed and dated at Tacoma, Washington Pierce 6-25-2020

SUBSCRIBED AND SWORN TO BEFORE ME THIS 25th DAY OF June, 2020.

Notary Public in and for the State of Washington, County of Pierce.

Commission expires 04-19-2021.

KELLIE N MARCIANO
92353
NOTARY PUBLIC
COMM. EXPIRES 04-19-21
STATE OF WASHINGTON



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DEC 16 2014
LAKEWOOD LEGAL DEPARTMENT

CERTIFICATION CONCERNING DESIGN AND CONSTRUCTION OF ELECTRONIC SPEED MEASURING DEVICES AND LASER SPEED MEASURING DEVICES

I, Jorge Marciano, do certify under penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that the following is true and correct:

I am employed with Pierce County as a Communications Systems Technician, Speed Measuring Device (SMD) Specialist, and assigned as the custodian of the SMD records. I have been employed in this capacity since Sep 10, 2007. Part of my duties include the maintenance and repair of all types of electronic radar and laser speed measuring devices (SMD's) used by the Pierce County Sheriff's Department.

The Pierce County Sheriff's Department currently uses the following SMD's:

SMD TYPE:	MODEL:	SERIAL #:	MANUFACTURE:
Radar	TS-3	690	MPH Industries
Radar	Kustom Falcon	FF10931	Kustom Signals
Radar	Kustom Falcon	FF18264	Kustom Signals
Radar	MPH Z-35	HHS570000154	MPH Industries
Radar	MPH Z-35	HHS570000217	MPH Industries
Radar	MPH K-15	K15115000776	MPH Industries
Radar	MPH K-15	K15115000783	MPH Industries
Radar	MPH Python	PYT380000218	MPH Industries
Radar	MPH Python	PYT380000219	MPH Industries
Radar	MPH Python	PYT380000438	MPH Industries
Radar	MPH Python	PYT380000570	MPH Industries
Radar	MPH Python	PYT380000786	MPH Industries
Radar	MPH Python	PYT380001395	MPH Industries
Radar	MPH Python	PYT380001397	MPH Industries
Radar	MPH Python	PYT380001682	MPH Industries
Radar	MPH Python	PYT546000410	MPH Industries
Radar	MPH Python	PYT546000465	MPH Industries
Radar	MPH Python	PYT546000516	MPH Industries
Radar	MPH Python	PYT546001043	MPH Industries
Radar	MPH Python	PYT546001345	MPH Industries
Radar	MPH Python	PYT546001944	MPH Industries
Radar	MPH Python	PYT546002565	MPH Industries
Radar	MPH Python	PYT546002877	MPH Industries
Radar	MPH Python	PYT546002959	MPH Industries
Radar	MPH Python	PYT546003357	MPH Industries
Radar	MPH Python	PYT546004027	MPH Industries
Radar	MPH Python	PYT546004259	MPH Industries
Radar	MPH Python	PYT546005167	MPH Industries
Radar	MPH Python	PYT546006424	MPH Industries
Radar	MPH Python	PYT846001839	MPH Industries
Laser	Kustom ProLaser III	PL17799	Kustom Signals
Laser	Kustom ProLaser III	PL17806	Kustom Signals

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

I have seven years military experience as a communications specialist in the maintenance and repair of electronics equipment and seven years with Pierce County repairing, maintaining, and certifying SMD's for counties and cities throughout the state. I received training from the following manufacturers as well as from the Pierce County Engineer. On Dec 13, 2007, I successfully completed the Decatur Electronics course in repair and service of Doppler traffic radar and on Mar 13, 2008, I successfully completed the MPH Industries course in repair and service of Doppler traffic radar. Further, on Jan 14, 2009, I successfully completed the requirements for Kustom Signals certification in operation and maintenance of Doppler traffic radar and traffic laser and on Sep 3, 2009, I successfully completed the requirements for Applied Concepts certification in operation and maintenance of Doppler traffic radar and traffic laser.

The Pierce County Radio Communications Division maintains manuals for all of the above listed SMD's. I am personally familiar with those manuals and know how each of the SMD's are designed and operated. From Dec 17, 2007 to Aug 16, 2013, I performed all of the SMD testing. The units are evaluated and certified to meet or exceed existing performance standards.

The Pierce County Radio Communications Division maintains a testing and certification program for the Pierce County Sheriff's Department wherein each SMD is inspected and checked every 24 months by the following means:

Radar SMD's utilize the Doppler effect to measure speed. Testing consists of using a precision signal generator to inject a signal into the SMD to simulate speeds of 35mph and 65mph for the stationary/moving radars. It also includes injection of a signal to simulate 35mph for stationary radar only. The signal must cause the SMD to display the exact speed, ± 1 mile per hour, in order to be certified for accuracy. I then measure the frequency of the tuning fork(s) assigned to each SMD to insure that they are within ± 5Hz tolerance. I issue a certificate of accuracy for both the SMD and the tuning fork(s). The original certificates are issued to the Pierce County District Court. I also retain a copy for my records along with the maintenance and service records for each SMD serviced.

Laser SMD's measure speed based on the velocity of light and a precision time base reference. Testing consists of four accuracy certification checks (1) Internal Self Test (2) Pulse Check to include; pulse width, power output, pulse repetition rate, and double pulse (3) Fixed Distance Check to include; sight alignment, vertical, and horizontal beam width ≥ 200 feet (4) and Internal Oscillator Check. The checks insure that the SMD is within tolerance and functioning properly. I then issue a certificate of accuracy for each SMD. The original certificates are issued to the Pierce County Sheriff's Department who in turn issues a copy to the Court. I also retain a copy for my records along with the maintenance and service records for each SMD serviced.

All radar SMD's operated by the Pierce County Sheriff's Department directly measure by digital message from the Doppler signal. They do not reconstitute the Doppler signal in any way, including the use of devices such as a phase lock loop (PLL), before the speed is measured.

Based upon my education, training and experience, and my knowledge of the SMD's listed above, it is my opinion that each of these electronic pieces 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.

I certify under the penalty of perjury, under the laws of the State of Washington, that the foregoing is true and correct.

Jorge Marciano
Communications Systems Technician/
Speed Measuring Device Specialist

Signed and dated at Tacoma, Washington Dec 11, 2014

SUBSCRIBED AND SWORN TO BEFORE ME THIS 11th DAY OF DECEMBER, 2014.

Notary Public in and for the State of Washington, County of Pierce.

Commission expires 3-20-2017.

KELLIE PYBAS
COMMISSION EXPIRES
NOTARY
PUBLIC
03-20-17
STATE OF WASHINGTON

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 789-7147

CERTIFICATE OF ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the laser Speed Measuring Device (SMD) listed below. The SMD was found to meet or exceed all manufacturer's specifications.

Laser SMD Information and Certification Summary

Manufacturer:	Kustom Signals	**Date Certified:**	11-Dec-14
Model:	ProLaser III	**Agency:**	Pierce County Sheriff Department
Serial Number:	PL17799		

Distance Tests

Long Range	Expected: 205.0 ft	Tested: 204.7 ft	[ ] N/A	[X] Pass	[ ] Fail

Operational Tests

Controls Operational	[ ] N/A	[X] Pass	[ ] Fail
RFI Indicator	[ ] N/A	[X] Pass	[ ] Fail

Pulse Characteristics Tests

Pulse Frequency (Rep Rate)	Expected: 199.98 to 200	Tested: 200.00 Hz	[ ] N/A	[X] Pass	[ ] Fail
Pulse Width	Expected: <=100 nS	Tested: 22.50 nS	[ ] N/A	[X] Pass	[ ] Fail
Double Pulse			[ ] N/A	[X] Pass	[ ] Fail

Beam Characteristics Tests

Optical Power	Expected: <=200 mW	Tested: 172.77 uW	[ ] N/A	[X] Pass	[ ] Fail
Wavelength	Expected: NA	Tested: ND	[X] N/A	[ ] Pass	[ ] Fail
Horizontal Beam Width			[ ] N/A	[X] Pass	[ ] Fail
Vertical Beam Width			[ ] N/A	[X] Pass	[ ] Fail
Sight Alignment			[ ] N/A	[X] Pass	[ ] Fail

I certify under penalty of perjury, under the laws of the State of Washington, that the foregoing is true and correct.

Dated and Signed at Tacoma, Washington 12/11/14 (DATE) _____ (SIGNED)

Pierce County
Radio Communications
1422 112th Street East
Tacoma, Washington 98445
(253) 789-7147

CERTIFICATE OF ACCURACY

I, Jorge Marciano, do certify under the penalty of perjury, under the laws of the State of Washington, in the County of Pierce, that all applicable tests and measurements were made on the laser Speed Measuring Device (SMD) listed below. The SMD was found to meet or exceed all manufacturer's specifications.

Laser SMD Information and Certification Summary

Manufacturer:	Kustom Signals	Date Certified:	11-Dec-14
Model:	ProLaser III	Agency:	Pierce County Sheriff Department
Serial Number:	PL17806		

Distance Tests

Long Range	Expected: 205.0 ft	Tested: 204.3 ft	[ ] N/A	[X] Pass	[ ] Fail

Operational Tests

Controls Operational	[ ] N/A	[X] Pass	[ ] Fail
RFI Indicator	[ ] N/A	[X] Pass	[ ] Fail

Pulse Characteristics Tests

Pulse Frequency (Rep Rate)	Expected: 199.98 to 200	Tested: 200.00 Hz	[ ] N/A	[X] Pass	[ ] Fail
Pulse Width	Expected: <=100 nS	Tested: 11.25 nS	[ ] N/A	[X] Pass	[ ] Fail
Double Pulse			[ ] N/A	[X] Pass	[ ] Fail

Beam Characteristics Tests

Optical Power	Expected: <=200 mW	Tested: 168.62 uW	[ ] N/A	[X] Pass	[ ] Fail
Wavelength	Expected: NA	Tested: ND	[X] N/A	[ ] Pass	[ ] Fail
Horizontal Beam Width			[ ] N/A	[X] Pass	[ ] Fail
Vertical Beam Width			[ ] N/A	[X] Pass	[ ] Fail
Sight Alignment			[ ] N/A	[X] Pass	[ ] Fail

I certify under penalty of perjury, under the laws of the State of Washington, that the foregoing is true and correct.

Dated and Signed at Tacoma, Washington 12/11/14 (DATE) [signature] (SIGNED)