



Cascade Engineering Services, Inc.

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CERTIFICATE #: 00190289

# CERTIFICATE OF CALIBRATION

## STANDARD CALIBRATION

### YAKIMA POLICE DEPARTMENT

200 SOUTH THIRD STREET YAKIMA, WA 98901

This certifies that the instrument listed herein was calibrated by Cascade Engineering Services' Calibration Laboratory, which is fully accredited in accordance with the recognized International Standards ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories. Cascade Engineering Services' Calibration Laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and any additional program requirements in the field of calibration. Standards used to perform this calibration are certified by or traceable to NIST, natural physical constants, consensus standards or derived by the ratio type of calibrations. All calibrations are performed to manufacturer's specifications unless otherwise noted. Standard Calibration, while still traceable, does not meet all requirements for an Accredited Calibration per ISO/IEC 17025:2005, that is "As Found" data for equipment in tolerance and Measurement Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.

#### DESCRIPTION:

#### SPEED MEASURING DEVICE

ASSET #:	87	SERIAL NUMBER:	RP03201
MANUFACTURER:	KUSTOM	MODEL NUMBER:	RAPTOR RP-1
DEPARTMENT:	N/A	PATROL CAR #:	N/A
ENVIRONMENT:	20.0 °C/40.0 %RH	BASIC ACCURACY:	REFERENCE MFRS SPECIFICATIONS
CAL INTERVAL:	12 MONTHS	DUE DATE:	August 22, 2019

#### EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be "IN TOLERANCE", as defined by the basic accuracy stated above.

#### EQUIPMENT CONDITION AS DELIVERED

At the completion of the calibration, measured values were "IN TOLERANCE", as defined by the basic accuracy stated above.

#### TUNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	57004	35 M.P.H.	2544 Hz
TUNING FORK TWO	52613	65 M.P.H.	4730 Hz

Antenna 1 SN: RK05133, Frequency: 24.127 GHz

Antenna 2 SN: RK13612, Frequency: 24.12 GHz

#### STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/23/2018
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/23/2018

#### PROCEDURE(S) USED FOR CERTIFICATION

DOCUMENT ID	DESCRIPTION	REV	REV DATE
SMD101	DOPPLER RADAR / LIDAR CALIBRATION PROCEDURE	A	06/01/2006

#### CERTIFICATION NOTES

I certify (or declare) under penalty of perjury under the laws of the State of Washington that the above information is true and correct

PERFORMED BY Nicolas Mowry  
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: Kirkland, Wa  
CALIBRATION DATE: Wednesday, August 22, 2018