



Cascade Engineering Services, Inc.

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FILED
APR - 8 2021
KIRKLAND
MUNICIPAL COURT



CERTIFICATE #: 00231574

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

CLYDE HILL POLICE DEPARTMENT

9605 NE 24TH ST. CLYDE HILL, WA 98004

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 17025:2017 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 17025:2017, 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 #: | KK37897 | SERIAL NUMBER: | KK37897 |
| MANUFACTURER: | KUSTOM SIGNALS, INC. | MODEL NUMBER: | TROOPER |
| DEPARTMENT: | N/A | PATROL CAR #: | N/A |
| ENVIRONMENT: | 22.7 °C/25.6 %RH | BASIC ACCURACY: | REFERENCE CAL PROCEDURE |
| CAL INTERVAL: | 12 MONTHS | DUE DATE: | April 07, 2022 |

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 | 3303 | 35 M.P.H. | 2540 Hz |
| TUNING FORK TWO | 3136 | 65 M.P.H. | 4728 Hz |

Antenna 1 SN: CC37517, Frequency: 24.147 GHz

STANDARD(S) USED FOR CERTIFICATION

| I.D. | MODEL | MANUFACTURER | DESCRIPTION | DUE DATE |
|---------|---------------|----------------|--------------------------------------|------------|
| MET1231 | VOCAR HR | DB INNOVATIONS | HAND HELD RADAR CERTIFICATION SYSTEM | 08/31/2021 |
| MET1232 | VOCAR HR WAND | DB INNOVATIONS | VOCAR HR WAND | 08/31/2021 |

PROCEDURE(S) USED FOR CERTIFICATION

| DOCUMENT ID | DESCRIPTION | REV | REV DATE |
|-------------|---------------------------------------|-----|------------|
| CP-SMD-001 | RADAR AND LIDAR CALIBRATION PROCEDURE | NEW | 11/14/2019 |

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

METROLOGIST: JOHN GRAY

LOCATION: Redmond, WA

CALIBRATION DATE: Wednesday, April 07, 2021

THIS LABORATORY IS A2LA ACCREDITED TO ISO/IEC 17025:2017 (GENERAL REQUIREMENTS FOR THE COMPETENCE OF TESTING AND CALIBRATION LABORATORIES), CERTIFICATE #: 2560.01

F540-1.3/REVISION M
MARCH 2020

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AS A PUBLIC RECORD IN
ACCORDANCE WITH RCW 5.44