

ONSITE DAILY SUMMARY LIST

ONSITE DATE: Friday, March 20, 2020

ELLENSBURG PD

CURRENT PO: _____

ID	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DEPARTMENT	RESULT	
10236	MPH INDUSTRIES	880010		SMD	N/A	PASS
FF12385	KUSTOM SIGNALS, INC.	FALCON		SMD	N/A	PASS
FF12396	KUSTOM SIGNALS, INC.	FALCON		SMD	N/A	PASS
LD079874	STALKER	BASIC		SMD	N/A	PASS
PYT546004242	MPH	PYTHON III		SMD	N/A	PASS
PYT546004243	MPH	PYTHON II		SMD	N/A	PASS
PYT546004244	MPH	PYTHON III		SMD	N/A	PASS
PYT546005120	MPH	PYTHON II		SMD	N/A	PASS
PYT846003562	MPH INDUSTRIES	PYTHON III		SMD	N/A	PASS
PYT846003563	MPH	PYTHON III		SMD	N/A	PASS
PYT846006198	MPH	PYTHON III		SMD	N/A	PASS

Number Processed: 11

Customer Signature:  # 58

Date: 3/20/2020



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043486

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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/NCCL 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:

SMD

ASSET #:	PYT846003562	SERIAL NUMBER:	PYT846003562
MANUFACTURER:	MPH INDUSTRIES	MODEL NUMBER:	PYTHON III
DEPARTMENT:	N/A	LOCATION:	17-P5
ENVIRONMENT:	50.0 °F/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 20, 2021

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	077368	35 M.P.H.	2528 Hz
TUNING FORK TWO	077375	65 M.P.H.	4694 Hz

Antenna 1 SN: PYT855004680, Frequency: 24.194 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 20, 2020



Cascade Engineering Services, Inc.

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358



ON-SITE CERTIFICATE #: OS2-00043487

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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/NCCL 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:

ASSET #: PYT846003563
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT846003563
MODEL NUMBER: PYTHON III
LOCATION: 18-P6
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	077371	35 M.P.H.	2528 Hz
TUNING FORK TWO	077383	65 M.P.H.	4696 Hz

Antenna 1 SN: PYT855004681, Frequency: 24.181 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 20, 2020

6640 185th Ave NE, Redmond, WA 98052
 T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043488

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
 100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:	SMD		
ASSET #:	PYT546004242	SERIAL NUMBER:	PYT546004242
MANUFACTURER:	MPH	MODEL NUMBER:	PYTHON III
DEPARTMENT:	N/A	LOCATION:	TRAFFIC
ENVIRONMENT:	50.0 °F/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 20, 2021

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	978326	35 M.P.H.	2530 Hz
TUNING FORK TWO	978335	65 M.P.H.	4696 Hz

Antenna 1 SN: PYT315012002, Frequency: 24.161 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 20, 2020

6640 185th Ave NE, Redmond, WA 98052
 T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043489

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
 100 N. PEARL STREET ELLENSBURG, WA 98926

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/NC SL 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:

ASSET #: PYT546005120
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546005120
MODEL NUMBER: PYTHON II
LOCATION: 16-P4
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	857240	35 M.P.H.	2526 Hz
TUNING FORK TWO	071109	65 M.P.H.	4692 Hz

Antenna 1 SN: PYT315013698, Frequency: 24.157 GHz

Antenna 2 SN: PYT315018527, Frequency: 24.186 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 20, 2020



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043490

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
100 N. PEARL STREET ELLENSBURG, WA 98926

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/NC SL 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:

ASSET #: PYT546004243
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546004243
MODEL NUMBER: PYTHON II
LOCATION: 15-P7
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	307534	35 M.P.H.	2530 Hz
TUNING FORK TWO	307560	65 M.P.H.	4692 Hz

Antenna 1 SN: PYT315012003, Frequency: 24.149 GHz

Antenna 2 SN: PYT315018529, Frequency: 24.195 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043491

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:

ASSET #: FF12385
MANUFACTURER: KUSTOM SIGNALS, INC.
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: FF12385
MODEL NUMBER: FALCON
LOCATION: N/A
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	748500	65 M.P.H.	4702 Hz
TUNING FORK TWO	N/A		

Antenna 1 SN: HANDHELD, Frequency: 24.166 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020

6640 185th Ave NE, Redmond, WA 98052
 T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043492

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
 100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:	SMD		
ASSET #:	FF12396	SERIAL NUMBER:	FF12396
MANUFACTURER:	KUSTOM SIGNALS, INC.	MODEL NUMBER:	FALCON
DEPARTMENT:	N/A	LOCATION:	N/A
ENVIRONMENT:	50.0 °F/35.0 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURES
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 20, 2021

EQUIPMENT CONDITION AS RECEIVED

Initial testing found this equipment to be in the condition stated in the certification notes below.

EQUIPMENT CONDITION AS DELIVERED

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

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	24639	50 M.P.H.	2670 Hz
TUNING FORK TWO	N/A		

Antenna 1 SN: HANDHELD, Frequency: 24.169 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Friday, March 20, 2020

6640 185th Ave NE, Redmond, WA 98052
 T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043493

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
 100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:	SMD
ASSET #: <u>LD079874</u>	SERIAL NUMBER: <u>LD079874</u>
MANUFACTURER: <u>STALKER</u>	MODEL NUMBER: <u>BASIC</u>
DEPARTMENT: <u>N/A</u>	LOCATION: <u>N/A</u>
ENVIRONMENT: <u>50.0 °F/35.0 %RH</u>	BASIC ACCURACY: <u>REFERENCE CAL PROCEDURES</u>
CAL INTERVAL: <u>12 MONTHS</u>	DUE DATE: <u>March 20, 2021</u>

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.

LASER SYSTEM OUTPUTS

PULSE REFERENCE FREQUENCY 151.1132 Hz **OPTICAL POWER OUTPUT:** 299 µW

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1259	NOVA-DISPLAY	OPHIR	LASER POWER METER	10/24/2020
MET1260	PD300-SH	OPHIR	LASER POWER HEAD	10/24/2020
MET1335	7024707	LASER TECHNOLOGY INC	LASER SPEED MEASUREMENT SIMULATOR	10/30/2020

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 
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020



CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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DESCRIPTION:

ASSET #: PYT846006198
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT846006198
MODEL NUMBER: PYTHON III
LOCATION: 17-P8
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	2302	35 M.P.H.	2522 Hz
TUNING FORK TWO	2196	65 M.P.H.	4690 Hz

Antenna 1 SN: PYT315013697, Frequency: 24.155 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043495

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT
100 N. PEARL STREET ELLENSBURG, WA 98926

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/NC SL 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:

ASSET #: PYT546004244
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546004244
MODEL NUMBER: PYTHON III
LOCATION: 11-P3
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

TUNNING FORK(S) SUPPLIED WITH THIS DEVICE

DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY
TUNING FORK ONE	290101	35 M.P.H.	2530 Hz
TUNING FORK TWO	290554	65 M.P.H.	4694 Hz

Antenna 1 SN: PYT315012004, Frequency: 24.159 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1231	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	08/28/2020
MET1232	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	08/28/2020

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 Nicolas Mowry
SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS2-00043496

CERTIFICATE OF CALIBRATION

STANDARD CALIBRATION

ELLENSBURG POLICE DEPARTMENT

100 N. PEARL STREET ELLENSBURG, WA 98926

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/NCCL 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:

ASSET #: 10236
MANUFACTURER: MPH INDUSTRIES
DEPARTMENT: N/A
ENVIRONMENT: 50.0 °F/35.0 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: 10236
MODEL NUMBER: 880010
LOCATION: N/A
BASIC ACCURACY: REFERENCE CAL PROCEDURES
DUE DATE: March 20, 2021

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.

LASER SYSTEM OUTPUTS

PULSE REFERENCE FREQUENCY: 199.9976 Hz

OPTICAL POWER OUTPUT: 160 µW

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1259	NOVA-DISPLAY	OPHIR	LASER POWER METER	10/24/2020
MET1260	PD300-SH	OPHIR	LASER POWER HEAD	10/24/2020
MET1335	7024707	LASER TECHNOLOGY INC	LASER SPEED MEASUREMENT SIMULATOR	10/30/2020

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

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PERFORMED BY: Nicolas Mowry
 SENIOR METROLOGIST: NICOLAS MOWRY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Friday, March 20, 2020