

ONSITE DAILY SUMMARY LIST

ONSITE DATE: Tuesday, March 12, 2024

ELLENSBURG PD

CURRENT PO: _____

Asset / ID Number	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DEPARTMENT	RESU
10236	MPH INDUSTRIES	880010	SPEED MEASURING DEVICE. LIDAR	N/A	PAS:
BEE122205897	MPH INDUSTRIES	BEE III	SPEED MEASURING DEVICE	N/A	PAS:
FF12396	KUSTOM SIGNALS, INC.	FALCON	SMD	N/A	PAS:
LA005311	APPLIED CONCEPTS INC.	STALKER LIDAR RLR	SPEED MEASURING DEVICE	N/A	PAS:
LD079874	APPLIED CONCEPTS INC.	BASIC	SPEED MEASURING DEVICE. LIDAR	N/A	PAS:
PYT546004242	MPH	PYTHON III	SMD	N/A	PAS:
PYT546004243	MPH	PYTHON II	SMD	N/A	PAS:
PYT546004244	MPH	PYTHON III	SMD	N/A	PAS:
PYT546005120	MPH	PYTHON II	SMD	N/A	PAS:
PYT846003562	MPH INDUSTRIES	PYTHON III	SMD	N/A	PAS:
PYT846003563	MPH	PYTHON III	SMD	N/A	PAS:
PYT846006198	MPH	PYTHON III	SMD	N/A	PAS:

Number Processed: 12

Customer Signature: _____

Date: _____



Cascade Engineering Services, Inc.



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

ON-SITE CERTIFICATE #: OS3-00333459

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.

Table with 4 columns: DESCRIPTION, ASSET #, SERIAL NUMBER, MANUFACTURER, MODEL NUMBER, DEPARTMENT, LOCATION, ENVIRONMENT, BASIC ACCURACY, CAL INTERVAL, DUE DATE.

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 186.3283 Hz OPTICAL POWER OUTPUT: 281.3 µW

STANDARD(S) USED FOR CERTIFICATION

Table with 5 columns: I.D., MODEL, MANUFACTURER, DESCRIPTION, DUE DATE.

PROCEDURE(S) USED FOR CERTIFICATION

Table with 4 columns: DOCUMENT ID, DESCRIPTION, REV, REV DATE.

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 [Signature] SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA CALIBRATION DATE: Tuesday, March 12, 2024

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS3-00333458

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:	SPEED MEASURING DEVICE, LIDAR		
ASSET #:	10236	SERIAL NUMBER:	10236
MANUFACTURER:	MPH INDUSTRIES	MODEL NUMBER:	880010
DEPARTMENT:	N/A	LOCATION:	N/A
ENVIRONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFG SPECIFICATION
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 12, 2025

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:** 162.7 µW

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1259	NOVA-DISPLAY	OPHIR	LASER POWER METER	04/03/2024
MET1260	PD300-SH	OPHIR	LASER POWER HEAD	04/12/2024
MET1335	7024707	LASER TECHNOLOGY INC	LASER SPEED MEASUREMENT SIMULATOR	03/14/2024
MET1336	7005320	LASER TECHNOLOGY INC	OPTICAL INTERFACE UNIT	

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 
 SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333457

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/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 #:	LA005311	SERIAL NUMBER:	LA005311
MANUFACTURER:	APPLIED CONCEPTS INC.	MODEL NUMBER:	STALKER LIDAR RLR
DEPARTMENT:	N/A	LOCATION:	N/A
ENVIRONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFG SPECIFICATION
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 12, 2025

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 181.7570 Hz **OPTICAL POWER OUTPUT:** 354 µW

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1259	NOVA-DISPLAY	OPHIR	LASER POWER METER	04/03/2024
MET1260	PD300-SH	OPHIR	LASER POWER HEAD	04/12/2024
MET1335	7024707	LASER TECHNOLOGY INC	LASER SPEED MEASUREMENT SIMULATOR	03/14/2024
MET1336	7005320	LASER TECHNOLOGY INC	OPTICAL INTERFACE UNIT	

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 
 SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333456

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 #: FF12396
MANUFACTURER: KUSTOM SIGNALS, INC.
DEPARTMENT: N/A
ENVIRONMENT: 62.7 °F/67.7 %RH
CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: FF12396
MODEL NUMBER: FALCON
LOCATION: N/A
BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
DUE DATE: March 12, 2025

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	24639	50 M.P.H.	3664 Hz
TUNING FORK TWO	N/A		

Antenna 1 SN: HANDHELD, Frequency: 24.179 GHz

STANDARD(S) USED FOR CERTIFICATION

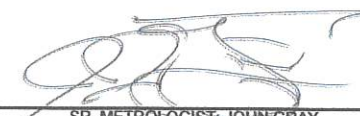
I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333455

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/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:

SMD

ASSET #: PYT846006198
 MANUFACTURER: MPH
 DEPARTMENT: N/A
 ENVIRONMENT: 62.7 °F/67.7 %RH
 CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: PYT846006198
 MODEL NUMBER: PYTHON III
 LOCATION: 17-P8
 BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
 DUE DATE: March 12, 2025

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	2302	35 M.P.H.	2514 Hz
TUNING FORK TWO	2196	65 M.P.H.	4674 Hz

Antenna 1 SN: PYT315013697, Frequency: 24.162 GHz

STANDARD(S) USED FOR CERTIFICATION

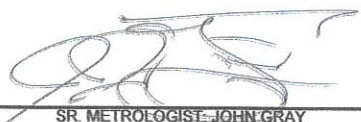
I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST- JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Tuesday, March 12, 2024

6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS3-00333454

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/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 #:	BEE122205897	SERIAL NUMBER:	BEE122205897
MANUFACTURER:	MPH INDUSTRIES	MODEL NUMBER:	BEE III
DEPARTMENT:	N/A	LOCATION:	N/A
ENVIRONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE CAL PROCEDURE
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 12, 2025

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	74338	20 M.P.H.	2016 Hz
TUNING FORK TWO	74159	50 M.P.H.	5032 Hz

Antenna 1 SN: BEN663052041, Frequency: 33.832 GHz

Antenna 2 SN: BEN663052042, Frequency: 33.825 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333453

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 #:	PYT546005120	SERIAL NUMBER:	PYT546005120
MANUFACTURER:	MPH	MODEL NUMBER:	PYTHON II
DEPARTMENT:	N/A	LOCATION:	16-P4
ENVIRONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFRS SPECIFICATIONS
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 12, 2025

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	857240	35 M.P.H.	2530 Hz
TUNING FORK TWO	071109	65 M.P.H.	4698 Hz

Antenna 1 SN: PYT315013698, Frequency: 24.154 GHz

Antenna 2 SN: PYT315018527, Frequency: 24.188 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST - JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333452

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/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:		SMD	
ASSET #:	PYT546004244	SERIAL NUMBER:	PYT546004244
MANUFACTURER:	MPH	MODEL NUMBER:	PYTHON III
DEPARTMENT:	N/A	LOCATION:	11-P3
ENVIRONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFRS SPECIFICATIONS
CAL INTERVAL:	12 MONTHS	DUE DATE:	March 12, 2025

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.	2528 Hz
TUNING FORK TWO	290554	65 M.P.H.	4688 Hz

Antenna 1 SN: PYT315012004, Frequency: 24.16 GHz

STANDARD(S) USED FOR CERTIFICATION

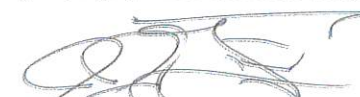
I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Tuesday, March 12, 2024



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS3-00333451

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/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:

SMD

ASSET #: PYT846003563
 MANUFACTURER: MPH
 DEPARTMENT: N/A
 ENVIRONMENT: 62.7 °F/67.7 %RH
 CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: PYT846003563
 MODEL NUMBER: PYTHON III
 LOCATION: 18-P6
 BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
 DUE DATE: March 12, 2025

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.	2534 Hz
TUNING FORK TWO	077383	65 M.P.H.	4698 Hz

Antenna 1 SN: PYT855004681, Frequency: 24.181 GHz

Antenna 2 SN: PYT811016245, Frequency: 24.19 GHz

STANDARD(S) USED FOR CERTIFICATION

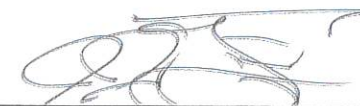
I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Tuesday, March 12, 2024

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

ON-SITE CERTIFICATE #: OS3-00333450

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/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:

ASSET #: PYT546004243
MANUFACTURER: MPH
DEPARTMENT: N/A
ENVIRONMENT: 62.7 °F/67.7 %RH
CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT546004243
MODEL NUMBER: PYTHON II
LOCATION: 15-P7
BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
DUE DATE: March 12, 2025

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.	2524 Hz
TUNING FORK TWO	307560	65 M.P.H.	4684 Hz

Antenna 1 SN: PYT315012003, Frequency: 24.152 GHz

Antenna 2 SN: PYT315018529, Frequency: 24.204 GHz

STANDARD(S) USED FOR CERTIFICATION

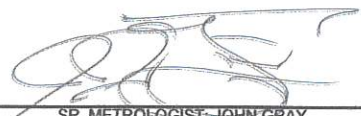
I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST- JOHN GRAY

LOCATION: ELLENSBURG, WA
CALIBRATION DATE: Tuesday, March 12, 2024



Cascade Engineering Services, Inc.



6640 185th Ave NE, Redmond, WA 98052

T.425.895.8617, F.425.702.9358

ON-SITE CERTIFICATE #: OS3-00333449

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/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:

SMD

ASSET #: PYT546004242
 MANUFACTURER: MPH
 DEPARTMENT: N/A
 ENVIRONMENT: 62.7 °F/67.7 %RH
 CAL INTERVAL: 12 MONTHS

SERIAL NUMBER: PYT546004242
 MODEL NUMBER: PYTHON III
 LOCATION: TRAFFIC
 BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS
 DUE DATE: March 12, 2025

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	978326	35 M.P.H.	2522 Hz
TUNING FORK TWO	978335	65 M.P.H.	4686 Hz

Antenna 1 SN: PYT315012002, Frequency: 24.162 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 
 SR. METROLOGIST- JOHN GRAY

LOCATION: ELLENSBURG, WA
 CALIBRATION DATE: Tuesday, March 12, 2024



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/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:

ASSET #: PYT846003562

MANUFACTURER: MPH INDUSTRIES

DEPARTMENT: N/A

ENVIRONMENT: 62.7 °F/67.7 %RH

CAL INTERVAL: 12 MONTHS

SMD

SERIAL NUMBER: PYT846003562

MODEL NUMBER: PYTHON III

LOCATION: 17-P5

BASIC ACCURACY: REFERENCE MFRS SPECIFICATIONS

DUE DATE: March 12, 2025

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: 24.189 GHz

STANDARD(S) USED FOR CERTIFICATION

I.D.	MODEL	MANUFACTURER	DESCRIPTION	DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION SYSTEM	10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024

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 

SR. METROLOGIST JOHN GRAY

LOCATION: ELLENSBURG, WA

CALIBRATION DATE: Tuesday, March 12, 2024