6640 185th Ave. NF, fledmond, WA 98052 1425.895.6617, 1425.702.9358

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

### IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, John R. Gray, do certify under penalty of perjury, under the laws of the state of Washington as follows:

I am employed with Cascade Engineering Services, Inc. (CES) Metrology and Electronics Repair Services, as a Senior Metrology Technician. I have been employed in such a capacity since 2008. Part of my duties include calibration, maintenance and repair of all electronic doppler radar and laser speed measuring devices (SMD's) used by ELLENSBURG POLICE DEPARTMENT.

All SMD's currently used by ELLENSBURG POLICE DEPARTMENT are listed in Exhibit "A".

I maintain the following qualifications with respect to SMD(s): More than 14 years of commercial experience in electronic test and measurement calibration and repair. I have successfully completed training courses in Doppler Radar & Lidar theory. I have over two years of experience in the repair and calibration of Doppler and Lidar SMD's. I am experienced and competent in the principles and fundamental requirements of test equipment calibration.

The CES laboratory maintains manuals for all of the SMD's listed in Exhibit "A". I am personally familiar with those manuals and how each of the SMD's are designed and operated. On the date indicated in Exhibit "A" testing of the SMD's was performed using CES procedures under the direction of an authorized SMD expert. The results were evaluated and certified to meet or exceed existing performance standards and entered into the CES certification management database. CES laboratory maintains a testing and certification program that requires each SMD to be tested and certified for accuracy at least once every two years.

The CES laboratory tests all Doppler SMD's used by ELLENSBURG POLICE DEPARTMENT, as recommended by the manufacturer, as follows: The Vocar HR, handheld Radar certification system is used to simulate speeds at 5 mph increments from 20 mph to 140 mph to verify accuracy in stationary and moving mode. Measurements are taken of the SMD transmit frequency, antenna/receiver sensitivity and any accompanying tuning forks are also tested for accuracy. All other operational functions of the SMD system are then tested for proper performance.

The Laser SMD's transmit a series of highly focused light wave pulses each time the trigger is pulled and utilizes two laws of physics; time and distance. Since the speed of light is a known fixed value, the range of the target is determined by calculating how long it takes for the light pulses to travel to the target and back. This series of measurements allows the SMD to calculate the speed of the target using an algorithm which processes the range calculations into speed measurements. The displayed speed is accurate to within plus (+) or minus (-) one (1) mile per hour.

The CES laboratory tests all Laser / Lidar SMD(s) used by ELLENSBURG POLICE DEPARTMENT, as recommended by the manufacturer, as follows: The Laser Speed Measurement Simulator (LSMS) is utilized to simulate a moving target. This is accomplished by detecting the optical output pulses of the laser device and generating artificial return pulses. Different speed values and ranges are simulated by varying the time delays between the input pulses and the return pulses. The LSMS consists of a Digital Delay Generator (DDG), and an optical interface unit. The DDG produces precise time delays. The optical interface unit converts the optical energy of the laser instrument into electrical signals which are supplied to the DDG. The optical interface unit also converts the electrical signals received from the DDG into optical energy which is then transmitted to the Lidar. The Lidar's output power is tested using an Ophir Nova Display, with a PD300-SH power head.

On the date indicated in Exhibit "A", each SMD was tested by myself or a trained technician listed therein and under my direction. All Technicians listed on Exhibit "A" received training in the proper use and operation of SMD test equipment and performance testing procedures used to test Laser and Doppler SMDs. After successfully completing training the technician is certified by myself and receives authorization allowing them to enter the results from the tests into the certificate management database. Individual Performance and Certification tests are entered into the certificate management database under the penalty of perjury by entering an authorized user id and password to authenticate it.

# This agency, ELLENSBURG POLICE DEPARTMENT currently utilizes the following Laser SMD(s):

## APPLIED CONCEPTS INC. manufacturer's the following SMD(s):

LA005311	LD079874	I.D./Serial Number
STALKER LIDAR RLN/A	BASIC	Model Number
	HANDHELD	Antenna 1 S/N
N/A	N/A	Antenna 2 S/N T.F. 1 S/N
N/A	24503	T.F. 1 S/N
N/A	N/A	T.F.
12/11/2023	04/03/2023	Cal. Date
12 MONTHS	12 MONTHS	2 S/N Cal. Date Cal. Interval Due Date
12/11/2024 J	04/03/2024 E	<b>Due Date</b>
2/11/2023 12 MONTHS 12/11/2024 JOHN R GRAY	4/03/2023 12 MONTHS 04/03/2024 EDDIE VAHABNEJAD	Technician

## MPH INDUSTRIES manufacturer's the following SMD(s):

10236	
6	I.D./Serial Number
880010	Model Number
HANDHELD	Antenna 1 S/N
N/A	Antenna 2 S/N T.F. 1 S/N T.F.
24503	T.F. 1 S/N
N/A	T.F. 2 S/N
04/03/2023	Cal. Date
12 MONTHS	2 S/N Cal. Date Cal. Interval Due Date
04/03/2023 12 MONTHS 04/03/2024 EDDIE V	<b>Due Date</b>
DDIE VAHABNEJAD	Technician

# This agency, ELLENSBURG POLICE DEPARTMENT currently utilizes the following Doppler SMD(s):

## KUSTOM SIGNALS, INC. manufacturer's the following SMD(s):

FF12385	FF12396	I.D./Serial Number
FALCON	FALCON	Model Number
Ĭ	HANDHELD	Antenna 1 S/N
N/A	N/A	Antenna 2 S/N T.F. 1
748500	24639	S/N
N/A	N/A	T.F. 2 S/N
03/15/2023	03/15/2023	Cal. Date
12 MONTHS	12 MONTHS	S/N Cal. Date Cal. Interval Due Date
03/15/2024 J	03/15/2024 J	<b>Due Date</b>
03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	Technician

### MPH manufacturer's the following SMD(s):

I.D./Serial Number	Model Number	Antenna 1 S/N Antenna 2 S/N T.F. 1 S/N T.F. 2 S/N Cal. Date Cal. Interval Due Date	Antenna 2 S/N	T.F. 1 S/N	T.F. 2 S/N	Cal. Date	Cal. Interval	<b>Due Date</b>	Technician
PYT546005120	PYTHON II	PYT315013698	PYT315013698 PYT315018527 857240	857240	071109	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY
PYT546004243	PYTHON II	PYT315012003	PYT315012003 PYT315018529 307534	307534	307560	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY
PYT846003563	PYTHON III	PYT855004681 N/A	N/A	077371	077383	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY
PYT546004242	PYTHON III	PYT315012002 N/A	N/A	978326	978335	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY
PYT546004244	PYTHON III	PYT315012004 N/A	NA	290101	290554	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY
PYT846006198	PYTHON III	PYT315013697 N/A	N/A	2302	2196	03/15/2023	12 MONTHS	03/15/2023 12 MONTHS 03/15/2024 JOHN R GRAY	HN R GRAY

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 or, in the case of the laser SMDs, 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.

Exhibit "A" derives information from the certificate management database. See Exhibit "A" for details about individual SMD certifications.

### State of Washington County of King

Signed or attested before me on

(c) is identified on the basis of Indentification documents.

Pcc 8, 2023 by John R. Gray I have satisfactory evidence that the person described in this document:
(a) is personally known to me; OR (b) is identified upon oath oraffirmation of credible witness personally know to me; OR

Certified by: John R. Gray Flace: Redmond, WA

William Quoc Ang

Notary Public in and for the State of Washington,

Residing in Seattle, WA

My appointment expires January 29, 2026







### **ONSITE DAILY SUMMARY LIST**

ONSITE DATE: Tuesday, March 12, 2024

### **ELLENSBURG PD**

	)	
700	0	

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	PA
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:

April - 2015	F542-3/Revision
	W



TO COME

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

PERFORMED BY

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. 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.

DESCR	IPTION:		SPEED	MEASURING DEVICE,	LIDAR		
ASSET #:		LD07	79874	SERIAL NUMBER:	LD07	79874	
MANUFA	CTURER:	APPLIED CO	NCEPTS INC.	MODEL NUMBER:		SIC	
DEPARTI	MENT:	N	I/A	LOCATION:	The state of the s	I/A	
ENVIRON	IMENT:	62.7 °F/6	67.7 %RH	BASIC ACCURACY:	The state of the s	Name of Street or other Designation of the Owner, where the Owner, which is the Owner, which	IFICATION
CAL INTE	ERVAL:		ONTHS	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 con	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							
STANDA	ARD(S) US	SED FOR CERT	<b>TIFICATION</b>				
I.D.		ODEL	MANUFACTURER	DESCI	RIPTION		DUE DATE
MET1259	NOVA-DISP	LAY OPHI	R	LASER POWER METER		-	04/03/2024
MET1260	PD300-SH	OPHI	R	LASER POWER HEAD		3.000	04/12/2024
MET1335	7024707	LASE	R TECHNOLOGY INC	LASER SPEED MEASUREMEN	IT SIMULATOR		03/14/2024
MET1336	7005320	LASE	R TECHNOLOGY INC	OPTICAL INTERFACE UNIT			And Andrews Control of the Control o
PROCE	DURE(S)	JSED FOR CE	RTIFICATION				
	JMENT ID			SCRIPTION		REV	REV DATE
CP-SMD-00	1	RADAR AND LIDAR				The second secon	THE RESIDENCE OF THE PARTY OF T
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							

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

Page 1 of 1

LOCATION:

CALIBRATION DATE:

ELLENSBURG, WA



TI COLLAN

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

PERFORMED BY

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/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.

DESCRI	IPTION: _		SPEED	MEASURING DEVICE,	LIDAR		
ASSET #:		10	236	SERIAL NUMBER:		0236	
MANUFA	CTURER:	MPH IND	USTRIES	MODEL NUMBER:		30010	
DEPARTI	VENT:	N	/A	LOCATION:		N/A	
ENVIRON	MENT:	62.7 °F/6	7.7 %RH	BASIC ACCURACY:	Control of the Contro	The second second second	TEICATION
CAL INTE	RVAI:		ONTHS	DUE DATE:			
	Nonescond Communication Commun			DOL DATE.	IVIAICII	12, 202	)
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.							
	SYSTEM (		saica values were in	TOLLIVINOL, as delined to	by the basic accura	acy stated	a above.
PULSE RE	EFERENCE	FREQUENCY	199.9976 Hz	OPTICAL POL	WER OUTPUT:	162	7 11/1/
		ED FOR CERT	A STATE OF THE PARTY OF THE PAR			102	. τ μνν
I.D.	MC	DDEL	MANUFACTURER	DESC	RIPTION		DUE DATE
							THE RESERVE OF THE PARTY OF THE
MET1259	NOVA-DISPL	AY OPHI	R	LASER POWER METER			04/03/2024
MET1260	PD300-SH	OPHI	R	LASER POWER METER LASER POWER HEAD		- In the same	04/03/2024
MET1260 MET1335	PD300-SH 7024707	OPHI LASE	R R TECHNOLOGY INC		IT SIMULATOR		04/12/2024
MET1260	PD300-SH	OPHI LASE	R	LASER POWER HEAD	IT SIMULATOR		THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER.
MET1260 MET1335 MET1336	PD300-SH 7024707 7005320	OPHI LASE	R R TECHNOLOGY INC R TECHNOLOGY INC	LASER POWER HEAD  LASER SPEED MEASUREMEN	IT SIMULATOR		04/12/2024
MET1260 MET1335 MET1336 PROCEI	PD300-SH 7024707 7005320	OPHI LASE LASE	R R TECHNOLOGY INC R TECHNOLOGY INC RTIFICATION	LASER POWER HEAD  LASER SPEED MEASUREMEN	IT SIMULATOR	REV	04/12/2024 03/14/2024
MET1260 MET1335 MET1336 PROCEI	PD300-SH 7024707 7005320 DURE(S) U	OPHI LASE LASE JSED FOR CEI	R R TECHNOLOGY INC R TECHNOLOGY INC RTIFICATION	LASER POWER HEAD LASER SPEED MEASUREMEN OPTICAL INTERFACE UNIT	IT SIMULATOR		04/12/2024 03/14/2024 REV DATE
MET1260 MET1335 MET1336 PROCEL DOCU CP-SMD-001 CERTIFI	PD300-SH 7024707 7005320 DURE(S) U JMENT ID	OPHI LASE LASE JSED FOR CEI RADAR AND LIDAR IOTES	R R TECHNOLOGY INC R TECHNOLOGY INC RTIFICATION DE CALIBRATION PROCED	LASER POWER HEAD LASER SPEED MEASUREMEN OPTICAL INTERFACE UNIT		NEW	04/12/2024 03/14/2024 REV DATE 11/14/2019

SR. METROLOGIST: JOHN GRAY

CALIBRATION DATE:



THE COLUMN

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

PERFORMED BY

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.

Uncertainties are not recorded. This certificate shall not be reproduced, except in full, without prior written approval of the laboratory.							
DESCR	IPTION:	SF	PEED MEASURING DEVI	CE			
ASSET #:	And the second s	LA005311	SERIAL NUMBER:	LA005	5311		
MANUFA	CTURER:	APPLIED CONCEPTS INC.	MODEL NUMBER:	STALKER L	IDAR F	RLR	
DEPARTI	WENT:	N/A	LOCATION:	N//	A		
ENVIRON	IMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFG	SPEC	IFICATION	
CAL INTE	RVAL:	12 MONTHS	DUE DATE:	March 12	2, 2025	;	
EQUIPN At the con	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 HW						
		FOR CERTIFICATION	_ OF HOAL FOR	VER OUTPUT:	334	μW	
I.D.	MOD		DESCR	RIPTION		DUE DATE	
MET1259	NOVA-DISPLAY	OPHIR	LASER POWER METER			04/03/2024	
MET1260	PD300-SH	OPHIR	LASER POWER HEAD			04/12/2024	
MET1335 MET1336	7024707 7005320	LASER TECHNOLOGY INC	LASER SPEED MEASUREMEN OPTICAL INTERFACE UNIT	IT SIMULATOR		03/14/2024	
The state of the s		ED FOR CERTIFICATION	OF HOME INTERNACE ONLY	The state of the s		Marine Company of the	
	JMENT ID		DESCRIPTION		DEV	DEVIDATE	
CP-SMD-00	Marie and American Street, Str	ADAR AND LIDAR CALIBRATION PROCE			CONTRACTOR OF THE PARTY OF THE	<b>REV DATE</b> 11/14/2019	
	ICATION NO						
I certify (or	declare) under pe	nalty of perjury under the laws of the		e information is true an	d corre	ct	

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

LOCATION:

CALIBRATION DATE:

ELLENSBURG, WA



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/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 n	ot recorded. This o	ertificate shall not be reproduced, excep	ot in full, without prior written approv	al of the laboratory	<i>(</i> .	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DESCRIPTION	ON:		SMD			
ASSET #:		FF12396	SERIAL NUMBER:		FF12396	
MANUFACTUR	RER: KI	JSTOM SIGNALS, INC.	MODEL NUMBER:		FALCON	
DEPARTMENT	* s >= 100000000000000000000000000000000000	N/A	LOCATION:		N/A	
ENVIRONMEN	T:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE N	IFRS SPEC	IFICATIONS
CAL INTERVAL	L:	12 MONTHS	DUE DATE:	Mar	rch 12, 2025	5
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						
		tion, measured values were "IN		y the basic acc	uracy stated	d above.
		PLIED WITH THIS DEVIC	E			
DESCI TUNING FORK ON	RIPTION	SERIAL NUMBER	RATED SPEED		FREQUEN	The same of the sa
TUNING FORK TW		24639 N/A	5	60 M.P.H.		3664 Hz
Antenna 1 SN:	HANDHELD, F	requency: 24.179 GHz				
STANDARD(	S) USED FO	R CERTIFICATION				
I.D.	MODEL	MANUFACTURER	DESCR	RIPTION		DUE DATE
AND DESCRIPTION OF THE PARTY OF	AR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFIC	ATION SYSTEM		10/24/2024
	AR HR WAND	DB INNOVATIONS	VOCAR HR WAND			10/24/2024
		FOR CERTIFICATION				
DOCUMEN	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IN COLUMN		SCRIPTION		REV	<b>REV DATE</b>
CP-SMD-001	RADAR	AND LIDAR CALIBRATION PROCEDU	JRE	AND THE RESIDENCE OF THE PARTY	NEW	11/14/2019
CERTIFICAT	TON 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

		LOCATION:_	ELLENSBURG, WA
PERFORMED BY	SR METROLOGIST-JOHN/GRAY	CALIBRATION DATE:_	Tuesday, March 12, 2024



AL COLLEGE

ON-SITE CERTIFICATE #: OS3-00333455

ELLENODUDO MA

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

### 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.

DESC	RIPTION:		SMD				
ASSET	#:	PYT846006198	SERIAL NUMBER:	PYT846006198			
MANUF	ACTURER:	MPH	MODEL NUMBER:	PYTHON III			
DEPAR	TMENT:	N/A	LOCATION:	17-P8			
ENVIRO	ONMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFRS SPECIFICATIONS			
CAL IN	TERVAL:	12 MONTHS	DUE DATE:	March 12, 2025			
Initial te EQUIF At the c	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						
Manager Manager Construction Construction	DESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY			
MUNICIPALITY CHIEF PROFESSIONE CONTROL	FORK ONE FORK TWO	2302 2196		5 M.P.H. 2514 Hz 5 M.P.H. 4674 Hz			
Antenn	a 1 SN: PYT31501	3697, Frequency: 24.162 GHz	·	4074 FIZ			
STANI	DARD(S) USED	FOR CERTIFICATION					
I.D.	MODE	L MANUFACTURER	DESCR	RIPTION DUE DATE			
MET1387	NAME OF THE OWNER OWNER.	DB INNOVATIONS	HAND HELD RADAR CERTIFIC				
MET1388			VOCAR HR WAND	10/24/2024			
PROC	EDURE(S) USE	D FOR CERTIFICATION					
00							
שטט	CUMENT ID		SCRIPTION	REV REV DATE			
CP-SMD-	A STATE OF THE PARTY OF THE PAR	DE DAR AND LIDAR CALIBRATION PROCEDI		REV REV DATE NEW 11/14/2019			

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

		LOCATION:_	ELLENSBURG, WA
PERFORMED BY	THE STATE OF THE S	_ CALIBRATION DATE:	Tuesday, March 12, 2024
	SR. METROLOGIST: JOHN GRAY		



Man College

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

PERFORMED BY

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 approved of the laboratory.

DESCRI	PTION:	SPI	EED MEASURING DEVIC	E	
ASSET #:		BEE122205897	SERIAL NUMBER:	BEE12220589	7
MANUFA	CTURER:	MPH INDUSTRIES	MODEL NUMBER:	BEE III	
DEPARTI	MENT:	N/A	LOCATION:	N/A	
<b>ENVIRON</b>	MENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE CAL PRO	CEDURE
CAL INTE	RVAL:	12 MONTHS	DUE DATE:	March 12, 202	5
EQUIPM At the com	ng found this equipn IENT CONDITIOn pletion of the calibra	ON AS RECEIVED ment to be "IN TOLERANCE", as ON AS DELIVERED ation, measured values were "IN PPLIED WITH THIS DEVICE."	N TOLERANCE", as defined by		d above.
CONTRACTOR OF THE PROPERTY OF	ESCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUE	NCY
TUNING FOR		74338 74159		M.P.H. M.P.H.	2016 Hz 5032 Hz
		41, Frequency: 33.832 GHz		N663052042, Frequency	
		OR CERTIFICATION		toooozouz, i requericy	. 55.025 GHZ
	MODEL	MANUFACTURER	DESCRI	BTION	
ID					
I.D. MET1387	VOCAR HR	DB INNOVATIONS		PTION TION SYSTEM	DUE DATE
			HAND HELD RADAR CERTIFICA VOCAR HR WAND	A CANADA SA	10/24/2024 10/24/2024
MET1387 MET1388	VOCAR HR VOCAR HR WAND	DB INNOVATIONS DB INNOVATIONS	HAND HELD RADAR CERTIFICA	A CANADA SA	10/24/2024
MET1387 MET1388 PROCEI	VOCAR HR VOCAR HR WAND	DB INNOVATIONS DB INNOVATIONS FOR CERTIFICATION	HAND HELD RADAR CERTIFICA VOCAR HR WAND	TION SYSTEM	10/24/2024 10/24/2024
MET1387 MET1388 PROCEI	VOCAR HR VOCAR HR WAND DURE(S) USED	DB INNOVATIONS DB INNOVATIONS FOR CERTIFICATION	HAND HELD RADAR CERTIFICA VOCAR HR WAND ESCRIPTION	TION SYSTEM REV	10/24/2024
MET1387 MET1388 PROCEI DOCU CP-SMD-001	VOCAR HR VOCAR HR WAND DURE(S) USED	DB INNOVATIONS DB INNOVATIONS FOR CERTIFICATION DI R AND LIDAR CALIBRATION PROCED	HAND HELD RADAR CERTIFICA VOCAR HR WAND ESCRIPTION	TION SYSTEM REV	10/24/2024 10/24/2024 REV DATE
MET1387 MET1388 PROCEI DOCU CP-SMD-001	VOCAR HR VOCAR HR WAND  OURE(S) USED  IMENT ID  RADAR	DB INNOVATIONS DB INNOVATIONS FOR CERTIFICATION DI R AND LIDAR CALIBRATION PROCED	HAND HELD RADAR CERTIFICA VOCAR HR WAND ESCRIPTION	TION SYSTEM REV	10/24/2024 10/24/2024 REV DATE

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

Page 1 of 1

SR. METROLOGIST: JOHN GRAY

LOCATION:

CALIBRATION DATE: Tuesday, March 12, 2024

ELLENSBURG, WA



II C: LITY

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/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.

			The second secon	or the laboratory.	
DESCR	IPTION:		SMD		
ASSET #:		PYT546005120	SERIAL NUMBER:	PYT546	005120
MANUFA	CTURER:	MPH	MODEL NUMBER:	PYTH	ON II
DEPARTI	WENT:	N/A	LOCATION:	16-1	P4
ENVIRON	IMENT:	62.7 °F/67.7 %RH	BASIC ACCURACY: RE	FERENCE MFRS	SPECIFICATIONS
CAL INTE	RVAL:	12 MONTHS	DUE DATE:	March 1	2, 2025
EQUIPM At the con	TENT CONDITIO	nent to be "IN TOLERANCE", as  N AS DELIVERED  ation, measured values were "IN  PLIED WITH THIS DEVIC  SERIAL NUMBER	TOLERANCE", as defined by	the basic accuracy	/ stated above.
<b>TUNING FO</b>	RK ONE	857240	35	M.P.H.	2530 Hz
TUNING FO		071109 B, Frequency: 24.154 GHz		M.P.H.	4698 Hz
			Antenna 2 SN: PY1	315018527, Frequ	uency: 24.188 GHz
		OR CERTIFICATION			
I.D. MET1387	WODEL VOCAR HR	MANUFACTURER	DESCRI		DUE DATE
MET1388	VOCAR HR WAND	DB INNOVATIONS DB INNOVATIONS	HAND HELD RADAR CERTIFICATION VOCAR HR WAND	TION SYSTEM	10/24/2024 10/24/2024
PROCE	DURE(S) USED I	OR CERTIFICATION			10/24/2024
DOCL	JMENT ID	DE	SCRIPTION		REV REV DATE
CP-SMD-00	1 RADAR	AND LIDAR CALIBRATION PROCEDU	JRE		NEW 11/14/2019
CERTIF	ICATION 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 METROEGGIST JOHN CRAY

LOCATION: ELLENSBURG, WA

CALIBRATION DATE: Tuesday, March 12, 2024





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.

Oncertainties are not recor	rded. This certificate sh	all not be reproduced, exce	ot in full, without prior written approv	al of the laboratory.	i Weasuremen
DESCRIPTION:			SMD		
ASSET #:	PYT54	6004244	SERIAL NUMBER:	PYT54600424	4
MANUFACTURER:	M	1PH	MODEL NUMBER:	PYTHON III	
DEPARTMENT:	1	N/A	LOCATION:	11-P3	
ENVIRONMENT:	62.7 °F/6	67.7 %RH	BASIC ACCURACY:	REFERENCE MFRS SPEC	IFICATIONS
CAL INTERVAL:	12 MC	ONTHS	DUE DATE:	March 12, 202	5
EQUIPMENT CO At the completion of t	is equipment to be  NDITION AS DE he calibration, mea	"IN TOLERANCE", as <b>ELIVERED</b>	defined by the basic accurace TOLERANCE", as defined b	*	d above.
DESCRIPTION		SERIAL NUMBER	RATED SPEED	EDECLIE	
THE RESIDENCE OF THE PROPERTY			DATED SEEED	-  -  -  -  -  -  -  -  -  -  -  -  -	ICV
TUNING FORK ONE	290101		3	FREQUEN 5 M.P.H.	2528 Hz
TUNING FORK TWO	290101 290554		3		Commence of the second
TUNING FORK TWO Antenna 1 SN: PYT3	290101 290554 <b>15012004, Freque</b>	ency: 24.16 GHz	3	5 M.P.H.	2528 Hz
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U	290101 290554 <b>15012004, Freque</b>	ency: 24.16 GHz	3 6	5 M.P.H.	2528 Hz 4688 Hz
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR	290101 290554 15012004, Freque SED FOR CER IODEL	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS	3 6 DESCI HAND HELD RADAR CERTIFIC	5 M.P.H. 5 M.P.H. RIPTION	2528 Hz
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR MET1388 VOCAR HR	290101 290554 15012004, Freque SED FOR CER' IODEL DB II	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS NNOVATIONS	3 6 DESCF	5 M.P.H. 5 M.P.H. RIPTION	2528 Hz 4688 Hz
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR MET1388 VOCAR HR PROCEDURE(S)	290101 290554 15012004, Freque SED FOR CER' IODEL DB II	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS NNOVATIONS	3 6 DESCI HAND HELD RADAR CERTIFIC	5 M.P.H. 5 M.P.H. RIPTION	2528 Hz 4688 Hz DUE DATE 10/24/2024
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR MET1388 VOCAR HR PROCEDURE(S) DOCUMENT ID	290101 290554 15012004, Freque SED FOR CER IODEL DB II WAND DB II	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS NNOVATIONS RTIFICATION DE	3 6  DESCF  HAND HELD RADAR CERTIFIC VOCAR HR WAND  ESCRIPTION	5 M.P.H. 5 M.P.H. RIPTION ATION SYSTEM	2528 Hz 4688 Hz DUE DATE 10/24/2024
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR MET1388 VOCAR HR PROCEDURE(S)	290101 290554 15012004, Freque SED FOR CER IODEL DB II WAND DB II	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS NNOVATIONS RTIFICATION	3 6  DESCF  HAND HELD RADAR CERTIFIC VOCAR HR WAND  ESCRIPTION	5 M.P.H. 5 M.P.H. RIPTION ATION SYSTEM	2528 Hz 4688 Hz DUE DATE 10/24/2024 10/24/2024
TUNING FORK TWO Antenna 1 SN: PYT3 STANDARD(S) U I.D. N MET1387 VOCAR HR MET1388 VOCAR HR PROCEDURE(S) DOCUMENT ID	290101 290554 15012004, Freque SED FOR CER  IODEL WAND DB II WAND DB II USED FOR CE	ency: 24.16 GHz TIFICATION MANUFACTURER NNOVATIONS NNOVATIONS RTIFICATION DE	3 6  DESCF  HAND HELD RADAR CERTIFIC VOCAR HR WAND  ESCRIPTION	5 M.P.H. 5 M.P.H. RIPTION ATION SYSTEM	2528 Hz 4688 Hz  DUE DATE 10/24/2024 10/24/2024  REV DATE

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



PERFORMED BY

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

DESCRIPTION	:		SMD			
ASSET #:		PYT846003563	SERIAL NUMBER:	PYT846	600356	3
MANUFACTURE	<b>{:</b>	MPH	MODEL NUMBER:	THE STREET STREET, STR	ION III	
DEPARTMENT:		N/A	LOCATION:		-P6	
<b>ENVIRONMENT:</b>		62.7 °F/67.7 %RH	BASIC ACCURACY: RE	FERENCE MFR	S SPEC	CIFICATIONS
CAL INTERVAL:	***************************************	12 MONTHS	DUE DATE:	March ·		
Initial testing found EQUIPMENT C At the completion of	this equipm ONDITION of the calibra	N AS DELIVERED	as defined by the basic accuracy "IN TOLERANCE", as defined by		cy state	d above.
DESCRIP	TION	SERIAL NUMBER	RATED SPEED		EQUE	NCY
TUNING FORK ONE TUNING FORK TWO		077371 077383		Л.Р.Н. Л.Р.Н.		2534 Hz 4698 Hz
Antenna 1 SN: PY	T855004681	I, Frequency: 24.181 GHz	Antenna 2 SN: PY		anienc	
STANDARD(S)	USED FO	R CERTIFICATION		1011010210,110	queno	y. 24.10 OH2
I.D.	MODEL	MANUFACTURER	DESCRI	PTION		DUE DATE
Management and the committee of the comm	Contract of the Party of the Pa	DD ININOVATIONO		NAME AND ADDRESS OF THE OWNER, TH		
MET1387 VOCAR	AND PARTY OF THE P	DB INNOVATIONS	HAND HELD RADAR CERTIFICAT	TON SYSTEM		10/24/2024
MET1388 VOCAR	HR WAND	DB INNOVATIONS	HAND HELD RADAR CERTIFICAT VOCAR HR WAND	TON SYSTEM		10/24/2024 10/24/2024
MET1388 VOCAR	HR WAND			TON SYSTEM		THE RESERVE AND ADDRESS OF THE PARTY OF THE
MET1388 VOCAR	HR WAND S) USED F D	DB INNOVATIONS FOR CERTIFICATION	VOCAR HR WAND  DESCRIPTION	TION SYSTEM	REV	10/24/2024
PROCEDURE(	HR WAND S) USED F D	DB INNOVATIONS FOR CERTIFICATION	VOCAR HR WAND  DESCRIPTION	ION SYSTEM	THE RESIDENCE OF THE PERSON.	THE RESERVE AND ADDRESS OF THE PARTY OF THE
PROCEDURE(S	HR WAND S) USED F D RADAR	DB INNOVATIONS FOR CERTIFICATION  AND LIDAR CALIBRATION PROCE	VOCAR HR WAND  DESCRIPTION	ION SYSTEM	THE RESIDENCE OF THE PERSON.	10/24/2024  REV DATE
PROCEDURE(S DOCUMENT II CP-SMD-001	HR WAND S) USED F D RADAR	DB INNOVATIONS FOR CERTIFICATION  AND LIDAR CALIBRATION PROCE	VOCAR HR WAND  DESCRIPTION	ION SYSTEM	THE RESIDENCE OF THE PERSON.	10/24/2024  REV DATE
PROCEDURE(S DOCUMENT II CP-SMD-001	HR WAND S) USED F D RADAR	DB INNOVATIONS FOR CERTIFICATION  AND LIDAR CALIBRATION PROCE	VOCAR HR WAND  DESCRIPTION	ION SYSTEM	THE RESIDENCE OF THE PERSON.	10/24/2024  REV DATE
PROCEDURE(S DOCUMENT II CP-SMD-001	HR WAND S) USED F D RADAR	DB INNOVATIONS FOR CERTIFICATION  AND LIDAR CALIBRATION PROCE	VOCAR HR WAND  DESCRIPTION	ION SYSTEM	THE RESIDENCE OF THE PERSON.	10/24/2024  REV DATE

LOCATION:

CALIBRATION DATE:

ELLENSBURG, WA



ALC: KITY

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 Jaboratory.

Uncertainties	are not recorded. This co	ertificate shall not be reproduced, exce	pt in full, without prior written approv	ral of the laboratory.	station and	Weasuremen
DESCRIF	PTION:		SMD			
ASSET #:		PYT546004243	SERIAL NUMBER:	PYT54	46004243	3
MANUFAC	TURER:	MPH	MODEL NUMBER:	PYT	THON II	
DEPARTM	ENT:	N/A	LOCATION:	1	5-P7	
ENVIRONI	MENT:	62.7 °F/67.7 %RH	BASIC ACCURACY:	REFERENCE MFF	RS SPEC	IFICATIONS
CAL INTER	RVAL:	12 MONTHS	DUE DATE:	March	12, 2025	5
Initial testin	g found this equipm	N AS RECEIVED tent to be "IN TOLERANCE", as N AS DELIVERED tion, measured values were "IN			acv state	d above
		PLIED WITH THIS DEVICE		ry trie basic accura	icy statet	above.
	SCRIPTION	SERIAL NUMBER	RATED SPEED	F	REQUEN	ICY
TUNING FOR TUNING FOR		307534 307560	3	55 M.P.H. 65 M.P.H.		2524 Hz
		3, Frequency: 24.152 GHz		YT315018529, Fre	aduonev	4684 Hz
		OR CERTIFICATION	/ intolling E Old. 1	11010010020,110	quency.	24.204 GHZ
I.D.	MODEL	MANUFACTURER	DESCI	RIPTION		DUE DATE
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFIC	ATION SYSTEM		10/24/2024
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND			10/24/2024
PROCED	URE(S) USED F	FOR CERTIFICATION				
	WENT ID		SCRIPTION		REV	<b>REV DATE</b>
CP-SMD-001	RADAR	AND LIDAR CALIBRATION PROCEDI	URE		NEW	11/14/2019
CERTIFIC	CATION 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



HI CAN

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.

ASSET#	IPTION:	PYT546004242	SMD SERIAL NUMBER:	DVTS	46004242	)
	· ·		and the second s			
	CTURER:		MODEL NUMBER:			
DEPART	- Navigna processor and the second	N/A	LOCATION:		AFFIC	
ENVIRO	**************************************	62.7 °F/67.7 %RH	BASIC ACCURACY: REF		RS SPEC	IFICATIONS
CAL INTI	ERVAL:	12 MONTHS	DUE DATE:	March	12, 2025	5
EQUIP	MENT CONDITION	oment to be "IN TOLERANCE", as  ON AS DELIVERED  oration, measured values were "IN			acy stated	d above.
EQUIPINATE At the con	ing found this equipulent CONDITION TO THE CONDITION TO THE CALLE TO THE CONDITION TO THE C	ON AS DELIVERED ration, measured values were "IN PPLIED WITH THIS DEVIC SERIAL NUMBER	TOLERANCE", as defined by th	e basic accura	acy stated	
EQUIPM At the con TUNNIN	ting found this equipment CONDITION TO THE CONDITION TO T	ON AS DELIVERED ration, measured values were "IN PPLIED WITH THIS DEVIC SERIAL NUMBER 978326	TOLERANCE", as defined by th  E  RATED SPEED  35 M.	e basic accura F.H.		ICY 2522 Hz
At the con TUNNIN TUNING FO	MENT CONDITION TO THE C	ON AS DELIVERED ration, measured values were "IN PPLIED WITH THIS DEVIC SERIAL NUMBER 978326 978335	TOLERANCE", as defined by th  E  RATED SPEED	e basic accura F.H.		ICY
EQUIPINATE At the control of the con	MENT CONDITION TO THE C	ON AS DELIVERED  ration, measured values were "IN  PPLIED WITH THIS DEVIC  SERIAL NUMBER  978326 978335  02, Frequency: 24.162 GHz	TOLERANCE", as defined by th  E  RATED SPEED  35 M.	e basic accura F.H.		ICY 2522 Hz
EQUIPINATE At the control of the con	MENT CONDITION TO THE C	ON AS DELIVERED ration, measured values were "IN PPLIED WITH THIS DEVIC SERIAL NUMBER 978326 978335	TOLERANCE", as defined by the  RATED SPEED  35 M. 65 M.	e basic accura F P.H. P.H.		2522 Hz 4686 Hz
EQUIPINATE At the control of the con	MENT CONDITION TO THE CONDITION TO THE CALL TO THE CAL	ON AS DELIVERED  ration, measured values were "IN  PPLIED WITH THIS DEVIC  SERIAL NUMBER  978326  978335  02, Frequency: 24.162 GHz  FOR CERTIFICATION  MANUFACTURER  DB INNOVATIONS	TOLERANCE", as defined by th  E  RATED SPEED  35 M.	e basic accura FP.H. P.H.		ICY 2522 Hz
EQUIPINATE TUNNING FOR TUNING FOR TUNING FOR Antenna STAND.	MENT CONDITION TO THE C	ON AS DELIVERED  ration, measured values were "IN  PPLIED WITH THIS DEVIC  SERIAL NUMBER  978326 978335  02, Frequency: 24.162 GHz  FOR CERTIFICATION  MANUFACTURER	TOLERANCE", as defined by the  RATED SPEED  35 M. 65 M.	e basic accura FP.H. P.H.		2522 Hz 2522 Hz 4686 Hz DUE DATE
EQUIPINATE At the control of the con	MENT CONDITION IN THE CONDITION IN THE CALL IN THE CAL	ON AS DELIVERED  ration, measured values were "IN  PPLIED WITH THIS DEVIC  SERIAL NUMBER  978326  978335  02, Frequency: 24.162 GHz  FOR CERTIFICATION  MANUFACTURER  DB INNOVATIONS	TOLERANCE", as defined by the  RATED SPEED  35 M. 65 M.  DESCRIPT  HAND HELD RADAR CERTIFICATION	e basic accura FP.H. P.H.		2522 Hz 4686 Hz DUE DATE 10/24/2024
EQUIPINATE At the control of the con	MENT CONDITION IN THE CONDITION IN THE CALL IN THE CAL	ON AS DELIVERED  ration, measured values were "IN  PPLIED WITH THIS DEVIC  SERIAL NUMBER  978326 978335 02, Frequency: 24.162 GHz  FOR CERTIFICATION  MANUFACTURER  DB INNOVATIONS  DB INNOVATIONS  FOR CERTIFICATION	TOLERANCE", as defined by the  RATED SPEED  35 M. 65 M.  DESCRIPT  HAND HELD RADAR CERTIFICATION	e basic accura FP.H. P.H.	REQUEN	2522 Hz 4686 Hz DUE DATE 10/24/2024

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



**DESCRIPTION:** 

PERFORMED BY

ON-SITE CERTIFICATE #: OS3-00333448

### **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.

SMD

ASSET #:		PYT846003562	SERIAL NUMBER:	PYT846003562				
MANUFAC	TURER:	MPH INDUSTRIES	MODEL NUMBER:	PYTHON III				
DEPARTM	ENT:	N/A	LOCATION:	17-P5				
ENVIRONN	MENT:	62.7 °F/67.7 %RH	<b>BASIC ACCURACY: REFE</b>	RENCE MFRS SPECIFICATIONS				
CAL INTER	RVAL:	12 MONTHS	DUE DATE:	March 12, 2025				
Initial testing	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.							
				basic accuracy stated above.				
IUNNING	FURK(S) SUP	PLIED WITH THIS DEVIC	E					
AND DESCRIPTION OF THE PARTY OF	SCRIPTION	SERIAL NUMBER	RATED SPEED	FREQUENCY				
TUNING FOR		077368 077375	35 M.P.	2020112				
			65 M.P.	H. 4694 Hz				
		0, Frequency: 24.189 GHz						
STANDA	RD(S) USED FO	OR CERTIFICATION						
I.D.	MODEL	MANUFACTURER	DESCRIPTI	ON DUE DATE				
MET1387	VOCAR HR	DB INNOVATIONS	HAND HELD RADAR CERTIFICATION					
MET1388	VOCAR HR WAND	DB INNOVATIONS	VOCAR HR WAND	10/24/2024				
PROCED	URE(S) USED	FOR CERTIFICATION						
DOCUI	MENT ID		SCRIPTION	REV REV DATE				
CP-SMD-001	RADAR	AND LIDAR CALIBRATION PROCEDI	URE	NEW 11/14/2019				
CERTIFIC	CATION 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

ELLENSBURG, WA

LOCATION:

CALIBRATION DATE: Tuesday, March 12, 2024