

Lakewood Police Department
2 Year Cal Cycle
Date Calibrated 07/08/24.
Date due for Calibration 07/08/26.

<u>Manufacturer</u>	<u>Model</u>	<u>S/N</u>	<u>Value</u>	<u>Vehicle/Unit</u>	<u>Notes</u>
APPLIED CONCEPTS	STALKER DSR 2X	DP14222	34.690 GHz		
	ANTENNA	KR014266	34.721 GHz		
	ANTENNA	KC042309	2,610 Hz		
	25.25 MPH TUNING FORK	185377	4,158 Hz		
	40.25 MPH TUNING FORK	286537			



Day Management Corporation dba Day Wireless Systems
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**CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION
 OF ELECTRONIC SPEED MEASURING DEVICES
 IRLJ RULE 6.6 EFFECTIVE 1/3/2006**

I, Ernest Samaniego do certify under penalty of perjury as follows:

I am employed with DAY WIRELESS SYSTEMS. My duties include supervising the maintenance and repair of Doppler and Laser speed measuring devices (SMD's) used Lakewood Police Department.

<u>Manufacturer</u>	<u>RADAR Model</u>	<u>Serial Number</u>
APPLIED CONCEPTS	STALKER DSR 2X	DP14222
	ANTENNA	KR014266
	ANTENNA	KC042309
	25.25 MPH TUNING FORK	185377
	40.25 MPH TUNING FORK	286537

I have the following qualifications with respect to the above stated SMD:
 I have 30 years of experience working in the electronics and telecommunications industry in the public and private sectors. At this time, I have installed, optimized, and maintained an array of public safety and military radio systems. I have an FCC GROL license (PG00077009) with ship radar endorsement. I have been trained in the use and calibration procedures of both stationary and moving Doppler radars.

Day Wireless Systems maintains manuals for the above stated SMD's. I am personally familiar with those manuals and how the SMD is designed and operated. All initial testing of this SMD was performed under my direction. I have evaluated this unit and found it to meet or exceed existing performance standards.

The Doppler program specifies: Test procedures consisting of utilizing a precision Transmitter/Receiver (VOCAR HR). The above unit tuning fork/s is tested. The MPH plus output frequency of the fork/s is displayed and recorded for accuracy. In the stationary mode a single frequency is introduced to simulate target speed. In the moving mode two frequencies are introduced simultaneously to simulate target and patrol speeds. Utilizing precision mixer test unit (VOCAR HR WAND) the frequency output/s of the listed SMD is measured for accuracy. Operational tests consist of power up, lamp test, ICT, Squelch, day/night, lock, remote, lock/release/hold, audio, low voltage, range, opp/same lane and fast mode. Above tests are recorded on a Performance report and provided for the above agency.

The SMD listed above was tested and calibrated for accuracy on July 08, 2024

Day Wireless Systems does hereby certify the above listed SMD meets manufacturer's published specifications and has been calibrated using standards whose accuracies are: In compliance and traceable to the National Institute of Standards and Technology.

Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that it is so designed and constructed as to accurately employ the Doppler effect in such a way that it will give accurate measurements of the speed of motor vehicles when properly calibrated and operated by a trained operator.

Certified by: Ernest Samaniego
 Place: Everett, Washington

STATE OF WASHINGTON)
)
 County of Snohomish) ss.

Signed or attested before me on July 17, 2024, by Ernest Samaniego



Cristina Parmley
 NOTARY PUBLIC in and for the State of
 Washington, residing in Granite Falls. My
 Appointment expires May 11, 2027