



DAY WIRELESS SYSTEMS
2902 Hewitt Avenue
Everett, Washington 98201
(425) 258-0554
Inv. # 419870

CERTIFICATE CONCERNING DESIGN AND CONSTRUCTION
OF ELECTRONIC SPEED MEASURING DEVICES
IRLJ RULE 6.6 EFFECTIVE 1/3/2006

I, Les J. Boyd, 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 by PUYALLUP POLICE DEPARTMENT. Puyallup PD has their radar units calibrated every 2 years.

Table with 3 columns: Manufacturer (KUSTOM), Model (DIRECTIONAL TALON, 30 MPH Tuning Fork, 55 MPH Tuning Fork), Serial Number (DT01508, 53552, 53929)

I have the following qualifications with respect to the above stated SMD:

Washington Technical Institute for Radio/Electronics, Bell & Howell for Electronics and Advanced Schools Incorporated for Automotive/Electronics, plus numerous courses pertaining to communications and electronics, trained by a State licensed technician. Thirty years experience in repair, maintenance, and calibration of electronic products.

Day Wireless Systems maintains manuals for the above stated SMD. I am personally familiar with those manuals and how the SMD is designed and operated. On SEPTEMBER 1, 2016, I, Les J. Boyd, performed testing of the above SMD. The unit was evaluated to meet or exceed existing performance standards.

The Doppler program specifies: test procedures consisting of utilizing precision signal generators, connected to a factory waveguide assembly via coaxial cable; to simulate speeds at 5 mph increments from 20mph to 120mph to verify accuracy.

The Laser SMD sends out a series of much focused light wave pulses each time the trigger is pulled and utilizes two laws of physics, time and distance (i.e. 3.5 feet in diameter at 1000 feet). Since the speed of light is a known value, the distance of the target can be determined by calculating how long it takes for the signal to travel to the target and back.

Based upon my education, training, experience, and knowledge of the SMD listed above, it is my opinion that each of these pieces of equipment 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: Les J. Boyd
Place: Everett, Washington

STATE OF WASHINGTON )
County of Snohomish ) ss.

Signed or attested before me on SEPTEMBER 6, 2016 by Les J. Boyd

Susan C. Gorgas
Susan C. Gorgas
NOTARY PUBLIC in and for the State of
Washington, residing in Everett. My
Appointment expires January 5, 2017.

