



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

Memorandum

Subject: DSRC and Wi-Fi Baseline Cross-channel Interference Test
and Measurement Report

Date: December 16, 2019

From: Jonathan Morrison
Chief Counsel

To: Docket Number NHTSA-2019-0133
Docket Title: Vehicle-to-Everything (V2X) and Safety Band
Spectrum Research

Attached for submission to the referenced docket folder is a document that presents test results from a set of tests that were conducted to baseline the potential performance impact of cross-channel Wi-Fi (802.11ac) emissions on Dedicated Short Range Communications (DSRC) in the DSRC band.

Document Title: Vehicle-to-Vehicle Communications Research Project (V2V-CR) DSRC and Wi-Fi Baseline Cross-channel Interference Test and Measurement Report

Date: December 2019

Abstract: This document presents test results from a set of tests that were conducted to baseline the potential performance impact of cross-channel Wi-Fi (802.11ac) emissions on Dedicated Short Range Communications (DSRC) in the DSRC band. The tests were conducted in the Crash Avoidance Metrics Partners LLC (CAMP LLC) Vehicle Safety Communications 6 (VSC6) Consortium Vehicle-to-Vehicle Communications Research (V2V-CR) Project. The Participants of the CAMP LLC VSC6 Consortium are Ford Motor Company, General Motors LLC, Honda R&D Americas, Inc., Hyundai- Kia America Technical Center, Inc., Nissan Technical Center North America, and Volkswagen Group of America. The V2V-CR Project was sponsored by the National Highway Traffic Safety Administration (NHTSA) through Cooperative Agreement No. DTNH22-14-H-00449 with the CAMP LLC.

Attachment

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