



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

Memorandum

Subject: **ACTION**: Docket Submission of Final
MY2019/MY2020 Research Reports for Pedestrian
Automatic Emergency Braking, High-Speed Crash
Imminent Braking, Blind Spot Warning, and Blind Spot
Intervention Testing

Date:

From: Shashi Kuppa
Director, Office of Crashworthiness Standards

Reply to: NRM-100
Attn. Of:

To: Docket No. NHTSA-2021-0002

Thru: Terrence Sommers
Assistant Chief Counsel
for Vehicle Safety Standards & Harmonization

The final research test reports for MY2019/MY2020 Pedestrian Automatic Emergency Braking (PAEB), High-Speed Crash Imminent Braking (HS-CIB), Blind Spot Warning (BSW), and Blind Spot Intervention (BSI) tests are attached for inclusion into the referenced public docket. These research test reports are referenced in the 2022 NCAP Request for comments (RFC) notice, which is also included in Docket No. NHTSA-2021-0002. All testing was conducted according to the draft test procedures in Docket No. NHTSA-2019-0102 or per the changes discussed in the 2022 NCAP RFC.

Please submit these reports and memorandum to Docket No. NHTSA-2021-0002.

Attachments

- **PAEB Reports:**
 - Pedestrian Automatic Emergency Braking System Research Test – 2019 Audi A6
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Audi Q5
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Ford F-150 4x4 SuperCrew
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Honda Odyssey
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Hyundai Palisade
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Land Rover Range Rover Sport
 - Pedestrian Automatic Emergency Braking System Research Test – 2020 Mercedes-Benz GLC

- Pedestrian Automatic Emergency Braking System Research Test – 2020 Nissan Altima
- Pedestrian Automatic Emergency Braking System Research Test – 2020 Subaru Outback
- Pedestrian Automatic Emergency Braking System Research Test – 2020 Toyota Corolla
- Pedestrian Automatic Emergency Braking System Research Test – 2020 Volvo S60 T6
- **HS-CIB Reports:**
 - High-Speed Crash Imminent Braking System Research Test – 2019 Audi A6
 - High-Speed Crash Imminent Braking System Research Test – 2020 Audi Q5
 - High-Speed Crash Imminent Braking System Research Test – 2020 Ford F-150 4x4 SuperCrew
 - High-Speed Crash Imminent Braking System Research Test – 2020 Honda Odyssey
 - High-Speed Crash Imminent Braking System Research Test – 2020 Hyundai Palisade
 - High-Speed Crash Imminent Braking System Research Test – 2020 Land Rover Range Rover Sport
 - High-Speed Crash Imminent Braking System Research Test – 2020 Mercedes-Benz GLC
 - High-Speed Crash Imminent Braking System Research Test – 2020 Nissan Altima
 - High-Speed Crash Imminent Braking System Research Test – 2020 Subaru Outback
 - High-Speed Crash Imminent Braking System Research Test – 2020 Toyota Corolla
 - High-Speed Crash Imminent Braking System Research Test – 2020 Volvo S60 T6
- **BSD Reports:**
 - Blind Spot Warning System Research Test – 2019 Audi A6
 - Blind Spot Warning System Research Test – 2020 Audi Q5
 - Blind Spot Warning System Research Test – 2020 Hyundai Palisade
 - Blind Spot Warning System Research Test – 2020 Hyundai Sonata
 - Blind Spot Warning System Research Test – 2020 Infiniti QX60
 - Blind Spot Warning System Research Test – 2020 Land Rover Range Rover Sport
 - Blind Spot Warning System Research Test – 2020 Mercedes-Benz GLC
 - Blind Spot Warning System Research Test – 2020 Nissan Leaf
 - Blind Spot Warning System Research Test – 2020 Volkswagen Jetta
 - Blind Spot Warning System Research Test – 2020 Volvo S60 T6
- **BSI Reports:**
 - Blind Spot Intervention System Research Test – 2019 Audi A6
 - Blind Spot Intervention System Research Test – 2020 Audi Q5

- Blind Spot Intervention System Research Test – 2020 Hyundai Palisade
- Blind Spot Intervention System Research Test – 2020 Hyundai Sonata
- Blind Spot Intervention System Research Test – 2020 Infiniti QX60
- Blind Spot Intervention System Research Test – 2020 Land Rover Range Rover Sport
- Blind Spot Intervention System Research Test – 2020 Mercedes-Benz GLC
- Blind Spot Intervention System Research Test – 2020 Nissan Leaf
- Blind Spot Intervention System Research Test – 2020 Volkswagen Jetta
- Blind Spot Intervention System Research Test – 2020 Volvo S60 T6