

Support Builds for 5GAA's Waiver Request to Allow C-V2X in the 5.9 GHz Band

- **Major Automotive, Wireless, and Tech Stakeholders Among Those Backing 5GAA's C-V2X Waiver Request at the Federal Communications Commission**

February 11, 2019 – Stakeholders from the automobile, wireless, and technology industries filed comments at the Federal Communications Commission (FCC) in support of the 5G Automotive Association's waiver request seeking permission to deploy Cellular Vehicle-to-Everything (C-V2X) technology in a portion of the 5.9 GHz band.

C-V2X is a state-of-the-art, high-speed cellular communications platform that enables vehicles to communicate directly with one another, with roadside infrastructure, with other vulnerable road users (such as pedestrians and bicyclists), and with cellular networks to deliver safety, mobility, traffic efficiency, and environmental benefits. C-V2X is designed with an evolutionary path to 5G and ultimately will support the safe and efficient travel of autonomous vehicles.

Comments to the waiver request were due on Friday, February 8. The overwhelming majority of comments filed urged the FCC to grant the waiver request. Highlights from the record are below.

Ford Motor Company

"C-V2X will help unlock the full potential of self-driving technology by serving as an additional source of data about city infrastructure, traffic, construction, and emergency vehicles. [A]t the recent Consumer Electronics Show, Ford Motor Company announced its intention to deploy cellular vehicle-to-everything technology in all new vehicle models in the United States beginning in 2022."

Daimler North America Corporation

"Daimler is committed to reducing roadway fatalities, fossil fuel emissions, and traffic congestion on the highways of tomorrow. The Federal Communications Commission can help advance the realization of these benefits by granting 5GAA's waiver request to allow for the near term deployment of C-V2X, a promising new V2X technology."

Volkswagen Group of America Inc.

"The 5GAA [waiver request] provides further proof that emerging technologies like C-V2X and 5G-V2X could provide additional benefits to the public good if allowed to share the 5.9 GHz [Intelligent Transportation System - Radio Service] spectrum."

BMW of North America, LLC

"The FCC can enable the advancement of C-V2X in the United States by granting 5GAA's waiver request. C-V2X represents the future of mobility connectivity. Granting the waiver request affords interested stakeholders in the United States the flexibility to further invest and innovate in a technology that is being adopted around the world."

Jaguar Land Rover

"Allowing for C-V2X operations in a portion of the 5.9 GHz band will afford industry stakeholders the certainty necessary to increase investment and innovation in C-V2X. It also will level the playing field between C-V2X and DSRC, which will allow automobile manufacturers, and not regulators, to select the best V2X technology. Ultimately, this approach will ensure that consumers can enjoy the benefits provided by the best V2X technology available and that such technology is robustly deployed."

American Honda Motor Co., Inc.

“A grant of 5GAA’s Waiver Request will permit the deployment of wireless Vehicle-to-Everything technology that can provide safer travel and improve traffic flow on America’s roadways.”

T-Mobile USA, Inc.

“Grant of the [waiver request] will remove a regulatory barrier to near-term deployment of C-V2X, unleash new investment and innovation in this technology, and ensure America’s continued global leadership in the development and evolution of C-V2X.”

Intel Corp.

The testing results filed in the waiver [request] demonstrate technology readiness to fulfill the vision of the National Highway and Transportation Safety Administration to help improve road safety. Additionally, approval of the waiver is consistent with Intel’s long standing support of technology neutrality, providing flexibility in the regulation to allow the market to decide the best technology.”

Nokia Inc.

“Nokia believes that the public interest would be served by establishing 5G as the communication technology of choice for Intelligent Transportation Service, starting with advanced LTE capabilities. Grant of the waiver will enable near-term deployment of cutting-edge C-V2X technologies and their substantial benefits.”

Ericsson

“The cellular mobile industry has the wherewithal to address the current and future needs of [intelligent transportation systems]. By granting 5GAA’s waiver request, the FCC can help facilitate the continued advancement of C-V2X.”

Samsung Electronics America, Inc. and HARMAN International

“Samsung and HARMAN are strong supporters of C-V2X technology, a transportation technology with an evolutionary path to 5G. Together we are working to leverage our global efforts to bring the promise of 5G smart transportation to the United States.”

Qualcomm

“FCC grant of the [5GAA waiver request] will drive further innovation and investment in important C-V2X applications, ensuring American leadership in this modern ITS roadway communications technology that other countries are rapidly moving to deploy. The FCC should approve the 5GAA [waiver request] expeditiously because it is firmly in the public interest.”

HAAS Alert

“For public safety and roadway fleets, the decision to move to cellular based systems already happened years ago and it has proven successful for collision prevention and ultimately brought down the amount of deaths and injuries on the roads.”

InterDigital

“C-V2X’s advantages, which include capabilities that can enable new and improved ITS services, a path to 5G that will greatly expand and enhance C-V2X services in the future, and an unmatched cost efficiency that will support accelerated deployment, have persuaded many important global stakeholders to commit to C-V2X.”

Panasonic Corporation of North America

“A technology neutral approach will serve the public interest. For this reason, Panasonic supports the use of 20 MHz for C-V2X in the upper portion of the 5.9 GHz band.”