

1. Were any independent studies or technical analysis of Iridium's interference claims against Ligado performed by or on behalf of the Department of Defense (DoD)? If so, can those studies be made available to the Committee?
2. Were there any interim results from the Iridium/Ligado interference study with Alion and can they be made available to the Committee?
3. In her February 14, 2020 attachment to NTIA Associate Administrator Daniel Kinkoph's April 10, 2020 memo to FCC Chairman Ajit Pai, Ms. Thu Luu, Department of the Air Force stated, "Modernized GPS receivers cannot replace all military GPS receivers currently in use. Even after the transition to modernized military receivers is completed...some high precision receivers would remain vulnerable to interference from the Ligado network transmissions." What definition did DoD use for a "modernized GPS receiver"?
4. Paragraph 144 of FCC 20-48 states, "[If] an affected agency determines, based on the base station and technical operating data made available to it, that Ligado's operations will cause harmful interference to a specific, identified GPS receiver operating on a military installation and that the GPS receiver is incapable of being fully tested or replaced, Ligado shall negotiate with the affected government agency to determine an acceptable received power level over the military installation." Is the authority Installation Commanders currently have to grant or deny access by telecommunication companies sufficient to protect DoD GPS receivers from Ligado interference on CONUS military installations?
5. Beyond the results of the Air Force testing study, does the DoD have experimental evidence of harmful interference to military receivers from the currently permitted Ligado signals that can be shared with the committee? If so, roughly how many existing receivers would be affected?
6. For the receivers tested in the Air Force testing study, could the DoD provide an estimate of how many of each model/type are fielded in the United States and worldwide?
7. Could the DoD describe any engagement with Ligado to resolve any specific or general interference scenarios or cases since the April 22, 2020 order and authorization?
8. Can the DoD provide information on the availability or lack thereof of practical bandpass filters that would allow M-code receivers to function with manageably low interference from aliased versions of the permitted power in the Ligado bands?