

Northrop Grumman Systems Corporation

Northrop Grumman Systems Corporation (NGSC) requests modification of license WH2XSA, File No. 0163-EX-PL-2015, to operate a radar for the radio-location service on frequencies 10.0 to 10.5 GHz, in addition to the currently authorized 9.3 to 10 GHz. All other aspects are to remain the same as currently authorized.

NGSC's request is in support of internal research and development (IRAD) for which the ultimate intended customer is the U.S. Air Force. This application is to permit testing of pulsed emissions in the 10.0 to 10.5 GHz frequency band notwithstanding that note US128 of the NTIA manual appears to prohibit pulsed emissions for radiolocation operations in this frequency range. However, NGSC is aware of certain military applications that have received permission from the Spectrum Planning Subcommittee for operations using similar pulsed waveforms in this frequency band. NGSC is requesting waiver of these requirements to the extent necessary to permit operation of a pulsed radar in the very limited geographic area comprising our fixed ground laboratory in Hanover, Maryland, and within a 200 nautical mile radius of Georgetown, Delaware, during flight testing. Limited developmental operations of this type should be permitted in this band for a defense contractor such as NGSC to pursue anticipated customer requirements.

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