

MODIFICATION APPLICATION FOR EXPERIMENTAL LICENSE

GIRD Systems is submitting a modification application to the previously approved experimental license for call sign WI2XJN. The original license was approved on September 12, 2016 (file number 0333-EX-PL-2016) and extended on September 1, 2018 (file number 0274-EX-CR-2018).

This modification request is to extend experimental operation at the Panama City, FL location up to 50 nautical miles into the Gulf of Mexico (~ 95 km). The current license allows for operation within 30 km. No other changes to the previously approved license are being requested.

The modification request is in support of a demonstration test with the Naval Surface Warfare Center under a Small Business Innovation Research (SBIR) contract (Title: *Joint Tactical Radio System (JTRS) Compliant Anti-Jam Waveform for Littoral Combat Ship (LCS) Unmanned Vehicle Beyond Line of Sight*, Topic Number: N161-049, Contract Number: N68335-20-C-0166). The testing from the Panama City, Florida location includes utilization of up to four 10 MHz channels, for a total bandwidth of 40 MHz, consistent with the current license. The only change is to extend operation into the Gulf of Mexico from 30 km to 95 km.

The following exhibits from the original application have been attached to this modification application for reference only. They have not been modified from the original application, rather are being included only to provide context.

0022-EX-CM-2021 Exhibit A Purpose of Application
0022-EX-CM-2021 Exhibit B Question 7 Purpose of Experiment
0022-EX-CM-2021 Exhibit C Request for Confidentiality