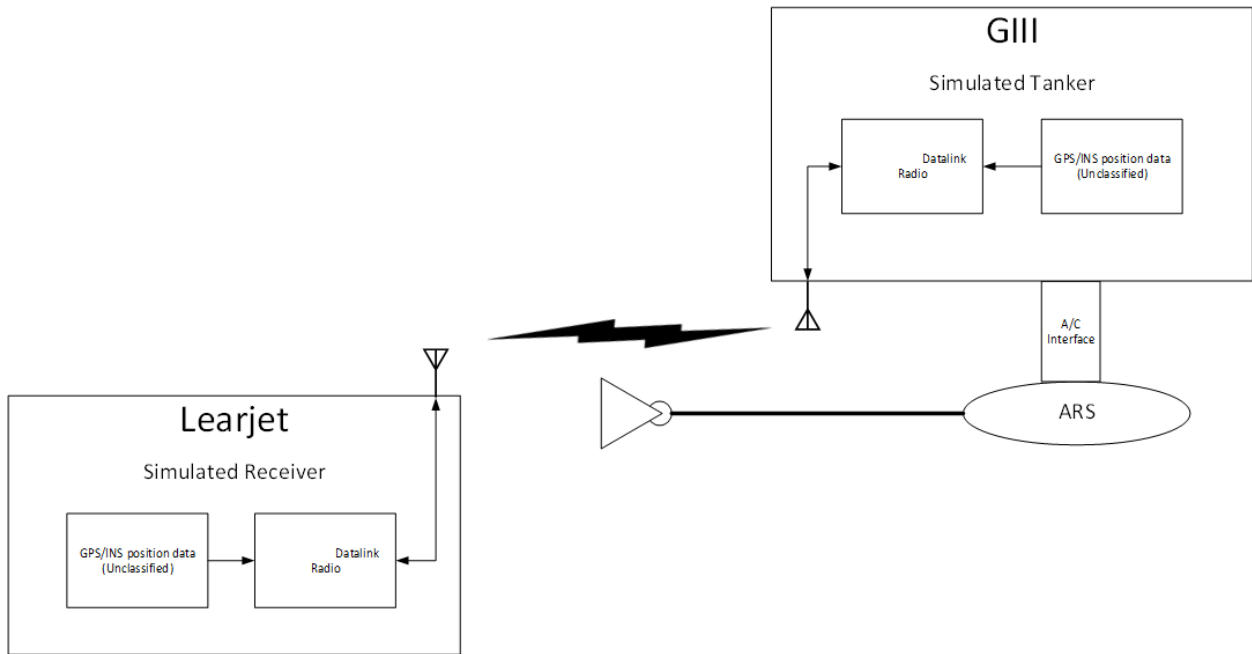


Experiment Overview:

The Banshee Radio will be flight tested over Lake Ontario. One radio will be on a surrogate tanker, GIII Business Jet, and the other radio will be on the surrogate tanker platform which is a lear jet. The radio link will allow both aircraft to communicate telemetry and command/status data required for autonomous refueling. Data will be logged and examined after the flight to determine how well the radio performed while undergoing normal flight dynamics. Flight will originate at Niagara Falls International Airport then it will fly ENE for 15-45 nautical miles and then fly east for up to 90 nm doing loitering orbits as needed throughout. Aircraft altitude will be between 5000 feet and 15000 feet MSL.



Area of Operation: N 43.30.00, W 78.00.00, 37 km radius (20 nautical mile). We will stay away from Rochester and Toronto airspace.