

## **Cover Letter to FCC**

Dear Sirs,

L-3 Communications Avionics Systems Inc. is submitting form 731, requesting equipment authorization for ADR7050 VHF Navigation/Communication Radio. The unit to be authorized is the Radio/ Transmitter/ Receiver Box called the ADR7050. This product is governed by the FCC through technical standards outlined in part 87(aviation services) of Title 47. We currently have the FAA's approval to manufacture this product. The approval has been granted through a TSO. The FAA has written a coordination letter to the FCC stating their approval of your agency granting us equipment authorization. A copy of this coordination letter is included in the package which we have submitted to the FCC.

Our system complies with RTCA DO-186A (Minimum Operational Standards for Airborne Radio Communications Equipment Operating within the Radio Frequency Range 117.975-137.00 MHz) , which is a minimum operation standard for collision warning products for use on aircraft. The unit complies with DO-160D which are environmental requirements imposed on the system per the TSO requirements. Included in these requirements are maximum levels of unintended radiation that the FAA deems acceptable. Our unit also complies with DO-178B, which is a software standard that the FAA requires for TSO approval.

We are seeking approval for the designators 6K00 from 118-137.975 MHz with 55 W maximum output power.

Our unit has been tested to the standards set forth in Title 47 part 87 subpart D. We have submitted data in accordance with Title 47 part 2.1033(c) on form 731. We have made tests and provided data in accordance with parts: 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

Sincerely,

Brent Locher

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