

Pertinent HIRF Directives

This temporary license is required to conduct testing necessary to support airframe certification for induced lightning and high intensity radiated fields (HIRF). The test data will be used to validate low frequency HIRF and lightning models and assure compliance with HIRF and lightning requirements as specified by the following directives:

FAA 14 CFR Part 25, Docket No. NM147; Special Condition No. 25-139-SC, "Boeing Model 757-300; High Intensity Radiated Fields"

JAA Special Condition JAA/767-400ER/SC/CRI F-01, Protection from the Effects of HIRF"

JAA Special Condition JAA/767-400ER/SC/CRI F-03, "Lightning Protection – Indirect Effects"

FAA Issue Paper E-1, 767-400 ER, "High Intensity Radiated Fields (HIRF) Protection"

FAR/JAR 25.1316 "System Lightning Protection"

FAA issue paper SE-1, Boeing 777, "Protection from High Intensity Radiated Fields (HIRF)."

FAA issue paper SE-2, Boeing 777, "Lightning Grounding and Protection Requirements."

JAA document JAR25X899, Boeing 777, "Electrical Grounding and Protection against Lightning and Static Electricity."

JAA HIRF Certification Review Item D-5 - Stage 2, Boeing 777, "Special Condition Protection from External High Intensity Radiated Fields."

FAA Special Condition #25-ANM-25, Boeing 747-400 and 747-400F, "Boeing 747-400 Lightning and Radio Frequency Energy Protection."

JAA Special Condition AAB747-400F/01, Boeing 747-400F, "High Intensity Radiated Fields (HIRF)."

JAA Special Condition AAB747-400F/02, Boeing 747-400F, "Lightning Protection Indirect Effects."