

Federal Aviation Agency



Repl. by 677

AC NO 170-6

AIR NAVIGATIONAL
FACILITIES

EFFECTIVE : 7/21/65

SUBJECT : RADIATION OF TEST SIGNALS ON AERONAUTICAL
RADIONAVIGATION FREQUENCIES

1. PURPOSE. All users of aeronautical radio frequency test generators are urged to check requirements for obtaining an authorization from the Federal Communications Commission (FCC), or for Federal Government users, from the Interdepartment Radio Advisory Committee (IRAC) when such generators are to be used to radiate a test signal.
2. HAZARD TO RADIONAVIGATION. A radiated RF test signal is sometimes useful for checking navigation receivers; i.e., VOR, Localizer, Glide Slope, DME, etc., without removing them from the aircraft. Uncontrolled radiation of such test signals creates a potential hazard since it may cause errors in aircraft receivers tuned to operating navigational facilities. Authorized receiver test facilities are assigned specific frequencies and power limits which are selected to avoid such interference to operating facilities. Normally, 108.0 Mc/s for VOR, 108.1 Mc/s for Localizer, or some other channel on a secondary noninterference basis, is assigned.
3. FURTHER INFORMATION. Further information may be obtained from the FCC, Aviation Radio Division, Washington, D.C. 20554, and from the Federal Aviation Agency Regional Offices, Airway Facilities Division.

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