

SECTION 9E: HF SYSTEMS

9E1: General aspects

RECOMMENDATION ITU-R F.1109

**ITU-R RECOMMENDATIONS RELATING TO SYSTEMS IN THE FIXED SERVICE
OPERATING AT FREQUENCIES BELOW ABOUT 30 MHz
WHICH ARE NOT REPRINTED**

(1994)

The ITU Radiocommunication Assembly,

considering

- a) that it was decided that a number of Recommendations relating to systems in the fixed service operating at frequencies below about 30 MHz not be reprinted in the future publications of Recommendations;
- b) that it is desirable to facilitate the reference to these Recommendations,

recommends

that Volume III of the CCIR XVIIth Plenary Assembly (Düsseldorf, 1990) should be referred to for the Recommendations listed below which deal with certain aspects of systems in the fixed service operating at frequencies below about 30 MHz.

1. Technical characteristics of complete radio systems

- Recommendation 338-2 Bandwidth required at the output of a telegraph or telephone receiver
- Recommendation 349-4 Frequency stability required for systems operating in the HF fixed service to make the use of automatic frequency control superfluous
- Recommendation 454-1 Pilot carrier level for HF single-sideband and independent-sideband reduced carrier systems
- Recommendation 347 Classification of multi-channel radiotelegraph systems for long-range circuits operating at frequencies below about 30 MHz and the designation of the channels in these systems

2. Radiotelephony

- Recommendation 335-2 Use of radio links in international telephone circuits
- Recommendation 480 Semi-automatic operation on HF radiotelephone circuits. Devices for remote connection to an automatic exchange by radiotelephone circuits
- Recommendation 455-2* Improved transmission system for HF radiotelephone circuits

3. Radiotelegraphy

- Recommendation 246-3 Frequency-shift keying
- Recommendation 106-1 Voice-frequency telegraphy on radio circuits

* Recommendation 455-2 appears in the 1992 fascicle of the RF Series of Recommendations.