

RESOLUTION ITU-R 27

HF FIELD-STRENGTH MEASUREMENT CAMPAIGN

(1990-1991-1993)

The ITU Radiocommunication Assembly,

considering

- a) that the Second Session of the World Administrative Radio Conference for the Planning of HF Bands Allocated to the Broadcasting Service (Geneva 1987) invited the Radiocommunication Bureau to undertake studies of the HF propagation prediction method adopted by the Conference and to recommend both improvements in the method and later, if necessary, an improved method to be used in the future for the HF bands allocated exclusively to the broadcasting service;
- b) that significant improvements in HF propagation prediction methods for general service requirements seem unlikely until a substantial data base of new measurements becomes available;
- c) that Recommendation ITU-R P.845 proposes a field-strength measurement campaign and identifies a need for coordination, training etc.;
- d) that the above mentioned Conference also recommended administrations:
 - to conduct HF field-strength measurement programmes;
 - to contribute data, in a form suitable for study, to the Radiocommunication Bureau;
- e) that administrations should be urged to undertake such measurements in the longer term,

decides

- 1** that administrations should be urged to assist in the campaign by providing transmissions from worldwide locations and by installing and operating, as far as possible, worldwide receiving stations;
 - 2** that the measurement campaign should extend, if possible, through a complete solar cycle but that transmissions on fewer than five frequencies from one location would still provide a valuable facility for measurements;
 - 3** that the Director of the Radiocommunication Bureau should coordinate the overall activity and disseminate the information necessary for running the campaign;
 - 4** further, that the Director of the Radiocommunication Bureau should arrange for the receipt of data for the validation and incorporation into a data bank of the measurements;
 - 5** that administrations, the Director of the Radiocommunication Bureau and other organs of the ITU, in so far as resources allow, should ensure that guidance and training in the installation and operation of measurement stations is provided where required.
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