



## **Radiocommunication Study Group 6**

### **QUESTION ITU-R 14/6\***

#### **Digital and analogue-digital TV receivers and receiving antenna characteristics required for the terrestrial TV broadcasting frequency planning**

(2002)

The ITU Radiocommunication Assembly,

*considering*

- a) that, when Digital Terrestrial Television Broadcasting (DTTB) is introduced on the basis of sharing spectrum with analogue transmissions, migration from analogue to digital TV broadcasting requires the usage of analogue, digital and hybrid (analogue-digital) TV receivers during the transition period;
- b) that receivers in use during this transition period must continue to operate and receive new modes of operation when the switch-over to all-digital broadcast operations occur;
- c) that in the interest of spectrum efficiency and to allow administrations to make adjustments to their digital channel plans it may be highly desirable for digital receivers to have the ability to follow RF channel changes, within the performance range of the receiving antennas, with minimal, if any, viewer intervention;
- d) the forthcoming conference on revision of the ST61 Plan;
- e) the need to characterize TV receivers and antennas in the work of ITU-R conferences and other organizations dealing with frequency planning;
- f) that according to the ITU organization Study Group 6 should consider the Questions concerning TV receivers and antennas;
- g) that characteristics measuring methods defined by the International Electrotechnical Commission (IEC) should be used,

*decides* that the following Question should be studied

- 1** What are the main characteristics of digital and hybrid (analogue-digital) TV receivers and receiving antennas that should be implemented at the commencement of DTTB services to allow for future developments in frequency allocation and planning and service modes?

NOTE 1 – See Recommendation ITU-R BT.804.

\* This Question should be brought to the attention of the International Electrotechnical Commission (IEC) and Radiocommunication Study Group 1.

*further decides*

- 1 that the results of the above studies should be included to:
    - update existing Recommendation(s);
    - prepare (a) new Recommendation(s);
  - 2 that the above studies should be completed by 2005.
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