

QUESTION ITU-R 105/6*

Spectrum requirements for television broadcasting

(1999)

The ITU Radiocommunication Assembly,

considering

- a) that terrestrial television broadcasting has commenced the transition from analogue to digital emission;
- b) that digital technology provides for greater total information capacity than analogue within a given bandwidth;
- c) that digital emission formats have different protection requirements to those determined for analogue emission;
- d) that digital emission can provide opportunities for new forms of broadcasting, including:
 - HDTV;
 - portable reception;
 - mobile reception;
 - high bit-rate data broadcasting;
 - multimedia broadcasting;
 - interactive broadcasting;
- e) that there is considerable interest in maximizing the efficient use of the spectrum in the VHF and UHF bands;
- f) that during the transition from analogue to digital which may take 10-15 years those television (“taboo”) channels will be used which are not presently utilized in given areas because of analogue planning constraints;
- g) that during the transition, resort to the use of the “taboo” channels as described in f) may not be sufficient to provide the amount of spectrum required to implement full digital duplication of the analogue television services,

decides that the following Question should be studied

- 1 What is the anticipated demand for spectrum for terrestrial broadcasting applications during and following the transition to digital broadcasting?
- 2 What protection requirements are needed for digital television from other potential radiocommunication services that might be considered for shared use of the bands?

further decides

- 1 that the results of the above studies should be included in a Recommendation to be forwarded to the ITU-R Radiocommunication Assembly and a relevant WRC;

* This Question should be brought to the attention of the World Broadcasting Union Technical Committee (WBU-TC).

2 the above studies should be completed by 2005.
