

QUESTION ITU-R 104/6

Sharing criteria for BSS networks in the 17.3-17.8 GHz band in Region 2, and in the 21.4-22 GHz band in Regions 1 and 3, and their associated feeder links

(1999)

The ITU Radiocommunication Assembly,

considering

- a) that the World Administrative Radio Conference for Dealing with Frequency Allocations in Certain Parts of the Spectrum (Málaga-Torremolinos, 1992) (WARC-92) allocated new frequency bands to the broadcasting-satellite service (BSS) in the 17.3-17.8 GHz (17 GHz) band in Region 2, and in the 21.4-22 GHz band (21 GHz) in Regions 1 and 3;
- b) that according to Nos. 5.517 and 5.530, the 17 GHz and 21 GHz BSS allocations, in Region 2 and Regions 1 and 3 respectively, come into effect on 1 April 2007;
- c) that Resolution 525 (WARC-92) provides an interim procedure for the early implementation of BSS (HDTV) in the 21 GHz band in Regions 1 and 3;
- d) that WARC-92 also allocated new frequency bands to feeder links for the BSS in the 24.75-25.25 GHz band in Regions 2 and 3, in the 27.5-30 GHz band in Regions 1 and 3, and 18.1-18.4 GHz band in all Regions;
- e) that significant technical advancements have been made within BSS since the establishment of Appendices 30 and 30A Plans;
- f) that this will likely result in BSS system characteristics in the 17 and 21 GHz bands that are different from those currently in use in the Appendix 30 11/12 GHz bands;
- g) that such technical advancements will likely lead to improved efficiencies in the use of orbit and spectrum resources;
- h) that BSS systems are already being studied to operate in these bands;
- j) that there are certain sharing issues between these BSS allocations and other services to which the band is allocated that need to be studied, for example, the protection of the 17 GHz GSO satellite receivers that operate with the 12 GHz BSS;
- k) that it would also be useful to study the available BSS feeder link bands and their associated technical characteristics,

decides that the following Question should be studied

- 1** What are the technical characteristics of the associated feeder-link networks to be taken into account in the development of these sharing criteria?
- 2** What are the technical characteristics of the BSS networks to be taken into account in the development of these sharing criteria?
- 3** What intra- and inter-service sharing issues need to be addressed for the 17 GHz and 21 GHz BSS, and what are the appropriate sharing criteria?

further decides

- 1 that the above studies should be included in (a) Recommendation(s);
- 2 that the above studies should be completed by 2005.