question ITU-R 283/4[[1]](#footnote-1)\*

Sharing studies between high-definition television in the   
broadcasting-satellite service and other services

(2009)

The ITU Radiocommunication Assembly,

considering

*a)* that the development of techniques for high‑definition television (HDTV) broadcasting is rapidly progressing;

*b)* that the ITU Radiocommunication Study Groups have already carried out a number of studies concerning the broadcasting of HDTV signals;

*c)* that there are allocations to the broadcasting‑satellite service (BSS) in the 17.3‑17.8 GHz band in Region 2, and in the 21.4‑22 GHz band in Regions 1 and 3, capable of accommodating wide RF‑band HDTV;

*d)* that the Plans for the 12 GHz band contained in Appendix 30 of the Radio Regulations (RR) can already accommodate narrow RF‑band HDTV;

*e)* that due account should be taken of other radiocommunication services appearing in Article 5 of the RR, and sharing allocations with the BSS,

decides that the following Questions should be studied

1 What are the appropriate technical provisions for sharing between the BSS when HDTV is used, and other services sharing BSS bands, in the 12, 17 and 21 GHz bands?

2 What are the protection ratio requirements between HDTV and standard‑definition television (SDTV) signals, both analogue and digital, and between HDTV signals themselves?

NOTE – See Report ITU‑R BO.631,

further decides

1that the results of the above studies should be included in appropriate Recommendations and/or Reports;

2that the above studies should be completed by 2025.

Category: S1

1. \* This Question should be brought to the attention of Radiocommunication Study Groups 5 and 7. [↑](#footnote-ref-1)