QUESTION ITU-R 209/4

The use of frequency bands allocated to the fixed-satellite service for both the up and down links of geostationary-satellite systems

(1993)

The ITU Radiocommunication Assembly,

considering

*a)* that the utilization of the geostationary-satellite orbit may be improved by sharing frequencies between up links and down links of the same and/or different services, i.e. reverse-band working;

*b)* that reverse band working is particularly useful where services are unidirectional such as bands used for broadcasting-satellite service (BSS) feeder links;

*c)* that fixed-satellite service (FSS) down links could share frequencies with BSS feeder links;

*d)* that interference from reverse band emissions into the receivers of geostationary space stations in antipodal locations might arise,

decides that the following Questions should be studied

1 What are the conditions and the extent to which it is feasible for space stations in the FSS (space-to-Earth) to share Earth-to-space frequency allocations with BSS feeder links?

2 What is the feasibility of reverse-band working taking into account its impact on antipodal networks?

further decides

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

2 that the above studies should be completed by 2027.

Category: S2