



Resolution SFCG 15-2R4

**SUITABLE ALLOCATIONS FOR RADIO ASTRONOMY
OBSERVATIONS IN SPACE**

The SFCG,

CONSIDERING

- a) that radio astronomy observations can be conducted with terrestrial and space-based stations individually or in combination;
- b) that space-based radio astronomy currently includes cosmic microwave background observations, very low-frequency, millimetre and sub-millimetre observations, which are either not accessible from ground-based observatories or need to use bandwidths far in excess of existing allocations;
- c) that space-based radio astronomy also includes space very long baseline interferometry (VLBI) observations which intend to use practically all bands allocated to the radio astronomy service;
- d) that protection criteria for space-based radio astronomy, which would take into account the specific characteristics of space-based observatories, have not yet been developed;

RESOLVES

- 1. that its member agencies recognize that space-based radio astronomy observations may be conducted in bands allocated to the radio astronomy service and/or to the space research service (passive);
- 2. that the protection criteria given in Recommendation ITU-R RA.769-1 shall be considered as giving basic protection to space-based radio astronomy stations that use the radio astronomy service frequency bands.