



Recommendation SFCG 15-2R4

**USE OF THE BAND 25.25-27.5 GHz FOR INTER-SATELLITE
(DATA RELAY SATELLITE AND PROXIMITY LINKS)**

The SFCG

CONSIDERING

- a) that Article 5 of the Radio Regulations allocates the 25.25-27.5 GHz band to the inter-satellite service, restricted to space research, Earth exploration-satellite, and medical and industrial applications, on a primary basis;
- b) that Recommendation SFCG 13-3R1 identifies the standard channel plan adopted by the Space Network Interoperability Panel (SNIP) for use by data relay satellite (DRS) networks;
- c) that requirements for wide band proximity links in the 25.25-27.5 GHz band have been identified for high data rate communications between co-orbiting, free-flying radio elements;

RECOMMENDS

1. that DRS systems using the band 25.25-27.5 GHz avoid assignment of channels with the 25.60 GHz and 27.35 GHz centre frequencies for data relay return links to users operating proximity links in the bands 25.25-25.60 GHz and 27.225-27.5 GHz;
2. that the implementation of proximity operation communication links in the 25.25-27.5 GHz band be constrained to the sub-bands 25.25-25.60 GHz and 27.225-27.5 GHz.