

**Traffic Management Methods For Mitigation
Of Interference Between Signals Of
Satellite Systems
In Relative Motion**

5 Abstract

In an environment of competing satellite systems having in part shared bands/channel frequencies and at least one system having non-interfering dedicated bands/channels, interference between shared bands/channels of the two systems is mitigated by a method as recited in the appended claims, interference probabilities
10 are determined and based on these probabilities and interference criteria to be met. Interference is minimized by making initial channel assignments to dedicated channels and assigning shared channels in accordance with traffic controls and limits are developed so as not to violate the interference criteria.

FIGURE 1