

**Application of ORBCOMM License Corp.**  
**For Authority to Modify its Non-Voice Non-Geostationary**  
**Mobile Satellite Service Gateway Earth Station License**  
**FCC Call Sign E940535 – Arcade, NY**

**Summary of Application Purpose.** By this application, ORBCOMM License Corp. (“ORBCOMM”) respectfully requests modification of its Non-Voice Non-Geostationary mobile satellite service gateway earth station license (FCC Call Sign E940535) to operate an additional 50 kHz feeder uplink channel centered at 150.025 MHz. The additional uplink channel will be utilized to implement required increases in throughput capacity and coverage for feeder link communications with all satellites in the ORBCOMM satellite constellation authorized under FCC Call Sign S2103. The additional uplink channel will use the same technical parameters as currently authorized for the existing 149.61 MHz (center) 50 kHz uplink channel.

**Frequency Coordination.** ORBCOMM’s search of the Commission’s records reveals no other proposed or existing assignments in the 149.9 – 150.05 MHz band that could result in harmful interference to the ORBCOMM frequency assignment requested in this application, or to any other Commission licensee. Additionally, the 149.9 – 150.05 MHz allocation block contains no United States or international allocations for terrestrial service use. Accordingly, no domestic or international terrestrial service coordination should be required in connection with the license modification proposed in this application.

Footnote 5.220 to the International Table of Frequency Allocations provides, among other things, that the use of the Earth-to-space mobile satellite service allocation in the 149.9–150.05 MHz band is subject to international coordination under [RR] No. 9.11A. Accordingly, ORBCOMM selected the ‘Yes’ response to FCC Form 312, Schedule B, Item E19. It is not entirely clear, however, if any new international coordination specific to the ORBCOMM Arcade, NY gateway earth station will actually be required.

The Commission undertakes all necessary international advance publication, coordination and notification efforts on behalf of U.S. radio licensees in accordance with the International Telecommunication Union’s (“ITU’s”) frequency assignment registration procedures. ORBCOMM notes that the 150.025 MHz band gateway earth station uplink channel for the ORBCOMM (ITU Name ‘LEOTELCOM-1’) satellite network has already been advance published, coordinated, notified, and placed in the ITU Master International Frequency Register. Thus, there is already international interference protection in place for the channel assignment requested in this application. However, to the extent that the Commission determines that additional international coordination specific to the ORBCOMM Arcade, NY gateway earth station is necessary, ORBCOMM commits to furnish the Commission with whatever additional materials or assistance may be necessary to complete the process.