

November 12, 2012

System Analysis Branch
Satellite Division
International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Re: Request for Renewal of Special Temporary Authority – Harris Corporation

Pursuant to Section 25.120(b) of the Rules and Regulations (“Regulations”) of the Federal Communications Commission (“Commission”), Harris Corporation (“HARRIS”) seeks Commission consideration to renew a Special Temporary Authority (“STA”) to operate a Vertex 7.3m on satellite T14 (63W) on 13800 MHz to 14000 MHz extended Ku band while an application for modification is being reviewed.¹ On September 6, 2012, the Commission granted HARRIS an STA, file SES-STA-20120710-00643, which expired November 6, 2012. HARRIS seeks a renewal of this STA.

According to Section 25.120(b)(1) of the Regulations, “*the Commission may grant a temporary authorization only upon a finding that there are extraordinary circumstances requiring temporary operations in the public interest and that delay in the institution of these temporary operations would seriously prejudice the public interest.*”

HARRIS is a global provider of fully managed communications solutions for remote and harsh environments. The proposed application, through the Vertex 7.3m hub at issue, would authorize HARRIS to service a fleet of vessels in the Atlantic Ocean.² The vessels are primarily cruise ships that carry thousands of passengers. These ships often travel to remote areas in the ocean where a VSAT connection can act as a lifeline in case of an emergency. The ability to communicate with the hub is paramount to the safety of the passengers and the ship crew.

This is an extraordinary circumstance that requires temporary operations in the public interest. The delay in the institution of these temporary operations would seriously prejudice the public interest.

The proposed carrier EIRP does not exceed the licensed total EIRP for all carriers. Furthermore, according to an FCC96-377 study, the proposed power flux density will fall below the -167 dBW/4KHz/m² prescribed limit. As such, no harmful interference is anticipated to NASA’s Data Relay Satellite System (TDRSS) or government radiolocation systems.

Pursuant to Section 25.120(b)(2) of the Regulations, the Commission may grant temporary authorization for a period not to exceed 180 days, if the STA has been placed on public notice. In the instance case, the Commission placed the STA on public notice on September 12, 2012. Furthermore, HARRIS has filed an application for permanent authority. HARRIS is asking the Commission to grant it STA beginning November 15, 2012. The planned satellite is T14 (63W).

¹ See file SES-MOD-20120709-00635, callsign E080151.

² The antennas on the vessels are already licensed as Earth Stations on Vessels (ESVs)