



September 28, 2011

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Re: Request for Special Temporary Authority to Test Remote Terminal on Airborne Aircraft

Dear Ms. Dortch:

Tachyon Networks Incorporated (“Tachyon”) was granted a Special Temporary Authority to Test a new 18” remote terminal communicating with an Intelsat-owned, U.S. licensed hub in the frequency bands 11.7-12.2 GHz and 14.0-14.5 GHz on May 19, 2011, File No. SES-STA-20110427-00518 and again on September 6, 2011 File No. SES-STA-20110901-01019 (collectively, “Stationary STA”). The Stationary STA was limited to stationary testing. Tachyon now desires to test the same remote terminal on a mobile aircraft.

Therefore, Tachyon requests a grant of a Special Temporary Authority for four (4) months from the date of grant to test the 18” remote terminal on an airborne aircraft (“Mobile STA”). The 18” remote terminal will communicate with one (1) of three (3) Intelsat-owned, U.S. licensed hubs. The hub used for testing will depend upon satellite availability at the time of testing. The three (3) potential hubs are:

<u>Satellite</u>	<u>Hub Location</u>	<u>Hub Size</u>	<u>Call Sign</u>
H-2	Lat 39° 42' 30.600", Lng: -77° 43' 35.400"	11.0m	E030051
G-18	Lat 39° 42' 30.600", Lng: -77° 43' 35.400"	4.8m	E040140
G-28	Lat 39° 42' 30.600", Lng: -77° 43' 35.400"	9.3m	E040414

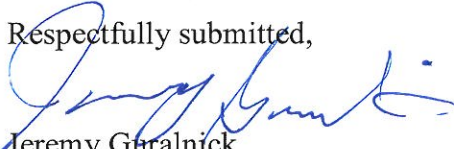
During testing, the remote terminal will be affixed to a King Air 300 (military aircraft designation C-12). With the acceptance of this request, Tachyon intends to test the remote terminal for potential use as part of an existing mobile aeronautical service currently provided outside the United States to a U.S. Government customer.

The hub station used for testing will operate in accordance with the coordinated parameters of its current license. In the unlikely event that harmful interference occurs, Tachyon will take all reasonable steps to eliminate the interference.

Grant of this Mobile STA will enable Tachyon to test this new antenna to determine whether it can be incorporated into the existing U.S. Government service offering. As such, the grant of this application is in the public interest.

Please direct any questions regarding this Mobile STA request to the undersigned at (619) 252-4158 or by email at jeremy.guralnick@tachyon.com.

Respectfully submitted,



Jeremy Guralnick
VP Business Development

cc: Paul Blais
Frank Peace