The Honorable Julius Genachowski  
Chairman  
Federal Communications Commission  
445 12\textsuperscript{th} Street, SW  
Washington, DC 20554

Dear Mr. Chairman:

We write to express concern about a conditional waiver that the International Bureau granted in January 2011 after an abbreviated public-notice process.

The exclusive waiver, for a company named LightSquared Subsidiary LLC, would waive the integrated service rule for its L-Band Mobile Satellite Service license. As a result, LightSquared could dramatically expand the terrestrial use of satellite spectrum that neighbors Global Positioning System (GPS) spectrum. This action has serious implications for all GPS technologies, and could negatively impact millions of Americans. Unfortunately, the FCC has recklessly fast-tracked the waiver process without undertaking appropriate review procedures. The Commission has called on a working group to investigate and report on the potential for GPS interference by June 15. Accordingly, we request that the Commission only approve LightSquared’s waiver if it can be indisputably proven that there will be no GPS interference.

LightSquared intends to build 40,000 high-powered ground transmission stations, which would transmit radio signals one billion times more powerful than GPS signals. Since the intended spectrum usage is immediately adjacent to GPS spectrum, it could lead to severe interference that effectively renders the technology useless. Such interference would have devastating effects on the United States military, emergency responders, aviation, agricultural producers, cellular telecommunications companies, homeland security, transportation, forestry, engineering and construction, land management, disaster management, natural resources, utilities, and individual consumers who rely on GPS for everyday needs.

General William Shelton, the head of the U.S. Air Force Space Command, recently said, “Within three to five miles on the ground and within twelve miles in the air, GPS is jammed by those towers… If we allow that system to be fielded and it does indeed jam GPS, think about the impact. We’re hopeful we can find a solution, but physics being physics we don’t see a solution right now. LightSquared has got to prove that they can operate with GPS and we’re hoping the FCC does the right thing.”

With such significant potential consequences, the FCC should have conducted in-depth studies on the consequences of reallocating the spectrum prior to issuing the conditional waiver. Such an approach would have allowed for significant public comment by all stakeholders. Instead, the FCC granted the waiver with the intention of subsequently testing the effects of repurposing the spectrum. We are concerned that the brief study period arranged by the FCC following the issuance of the conditional waiver does not allow for nearly the consideration necessary for such a far-reaching decision.
Final approval should only be granted if LightSquared can indisputably demonstrate non-interference on GPS usage. We urge the full Commission to weigh in on this matter and allow for additional public comment moving forward. It is incumbent upon LightSquared to unequivocally prove that the proposal will not interfere with GPS spectrum.

We look forward to your prompt response on this matter.

Sincerely,

Randy Neuger
Colin Doherty
Sande Koppion
Geoff Schmidt
Ch. Vith Ruppehen
Ilana Roza-Lehtinen

Nan Thurlow
Lynne West
Stevan Rice
John Barn
Howard Bakhtin

Steve Currin
Ralph H. Hall
Michael P. Zen
Tom Faham

K. Todd Long
Cecile Thorne-Rodger
Robert E. Andrews
Chen Ta-Chih
Pat Tillman
Kim Noen

NY-24

Kast Echternach
Craig Hayden
Doug Sanner
Ken Yoder
Hank Florian
Judy Biggert
McBrooks

Bill Posey
John Sarbanes

Carl Brun
Bill Johnson
Brett Guthrie

To: The
From: (signatures)

Ron Paul
Mike Johnson

CC: The Honorable Robert Gates, Secretary, Department of Defense
The Honorable Janet Napolitano, Secretary, Department of Homeland Security
The Honorable Gary Locke, Secretary, Department of Commerce
The Honorable Tom Vilsack, Secretary, Department of Agriculture
The Honorable Ken Salazar, Secretary, Department of Interior
The Honorable Ray LaHood, Secretary, Department of Transportation
Cosigners:

Robert Andrews
Steve Austria
John Barrow
Rick Berg
Judy Biggert
Leonard Boswell
Mo Brooks
Paul Broun
Mike Coffman
Michael Conaway
Mario Diaz-Balart
Renee Ellmers
Chaka Fattah
Jeff Flake
Bill Flores
John Garamendi
Sam Graves
Tim Griffin
Brett Guthrie
Ralph Hall
Richard Hanna
Gregg Harper
Martin Heinrich
Randy Hultgren
Lynn Jenkins
Bill Johnson
Hank Johnson
Timothy Johnson
Jack Kingston
Larry Kissell
Doug Lamborn
Tom Latham
Steven LaTourette

Daniel Lipinski
David Loebrock
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Candice Miller
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Kurt Schrader
Austin Scott
Adrian Smith
Steve Stivers
Mac Thornberry
Patrick Tiberi
Paul Tonko
Niki Tsongas
Michael Turner
Timothy Walz
Lynn Westmoreland
Rob Woodall
Kevin Yoder