11-109

From: myIBFS
Sent: Monday, January 30, 2012 12:54 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathyrn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/30/2012

Filer Information:
Jeffrey L. DeMuth
MSA Professional Services

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

No. of Copies rec'd 0
List ABCDE

IB Docket 11-109

January 30, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

Dear Ms. Dortch:

As a Professional Land Surveyor in the State of Wisconsin and a user of high-precision GPS, I strongly oppose Lightsquared's request to affirm its license and its request to go forward with its plan.

Lightsquared's request ignores recent independent testing, and they should not be allowed to go forward until it is shown that their plan will not interfere with high-precision GPS.

The Lightsquared plan will not only harm the survey industry, but also hundreds of thousands of people that use the data surveyors produce.

Sincerely,

MSA Professional Services, Inc.

Jeffrey L. DeMuth
Wisconsin Professional Land Surveyor

11-109

From: myIBFS
Sent: Monday, January 30, 2012 1:23 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathyrn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/30/2012

Filer Information:
James Anderson
MSA Professional Service

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

IB Docket 11-109

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication. IB Docket No. 11-109
IBSF File No. SAT-MOD-20101118-00239

I would like to express my opinions of the currently LightSquared/GPS signal issue. I must admit that I am not a scientist or any sort of an expert of how Light Squared works and how it conflicts with the GPS signal. I DO know that I am a surveyor and I rely on very accurate and precise GPS signals to perform my work.

In my mid-sized Engineering Consultant firm, I am the GPS "expert" in my region. I perform GPS surveys for all types of work including everything from new civil-type construction (reconstruction or new construction) to a large land survey for a large corporation; right down to a simple land survey for any land owner. These surveys need the high accuracy that comes from GPS, and if the signal from the satellite to the GPS receiver that I carry around in my hands in interrupted in the least, it is rendered useless. There is no close enough in this business, as may be a common misconception.

I would like to express that my company is very cost-sensitive. By this I mean that we are not out to solely make money. We look for the best way to serve our clients. I'm sure most companies are this way (I would hope they are), but I don't know firsthand. I do know how our company works, and this is it. We do not use GPS on every job. We use it only when it makes sense. If we do not have the option of GPS, our work will become more costly on every job. In these hard economical times, I do not feel that this should be an option. Because everyone has some association to something that needs a survey, whether it your local store, to your doctor office, to your bank, right down to your own property. If it costs more, it will trickle down to everyone.

So, the point of my letter is that if we have an option of LightSquared adjusting something to initial steps of its project we should utilize it. We should NOT allow them to create something that affects a well established industry, like the surveyors. I am not against LightSquard, I am against their current plan that disrupts the surveyor's business.

Thank you for your time & consideration.
Respectfully

James E Anderson

11-109

From: myIBFS
Sent: Monday, January 30, 2012 11:38 AM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathyrn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/30/2012

Filer Information:
Jeff DeZeeuw
Corner Point, LLC

Contact Information:
Jeff DeZeeuw
Corner Point, LLC

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

IB Docket 11-109

January 30, 2012

Dear FCC,

DO NOT grant LightSquared, LLC approval (FCC File No. SAT-MOD-20101118-00239) to push forward with their initiative to build a nationwide 4G-LTE wireless broadband network. Testing by GPS technology leaders Garmin and Trimble Navigation demonstrated that LightSquared's technology does interfere with GPS (Global Positioning System) receivers, degrading their performance in the best case scenario and completely jamming GPS receivers in the worst case scenario.

The Department of Defense, FAA, DHS, NASA, DOI, DOT, DOC, and the Professional Land Surveying and Engineering professions, have all expressed serious concern in regards to this plan by LightSquared LLC company to build 40,000 ground stations in the U.S. that could cause widespread interference to GPS signals. This network of ground stations will transmit signals within the L-band frequency immediately adjacent to the GPS L1 frequency at more than one billion times the strength of the low-power GPS signal from space. Furthermore, each mobile phone using LightSquared's wireless service would potentially become a portable GPS jamming device by jamming GPS receivers in its immediate vicinity.

High-precision GPS equipment used by land surveyors, civil engineers, farmers, and other geomatics professionals costing thousands of dollars per receiver would be more adversely affected than the consumer GPS devices given their inherent design. Literally, tens of thousands of high-precision GPS receivers are used in the United States. GPS technology has transformed the way American's have built and managed our infrastructure, adding a tremendous level of efficiency to the design, construction, and maintenance of roads, bridges, commercial properties, residential subdivisions, parks, farms, golf courses, etc.

Here in Wisconsin, professional land surveyors and licensed engineers use high-precision GPS equipment in their everyday work. GPS has become an essential tool for most land surveyors and geomatics professionals today and it is imperative that these GPS signals are not jeopardized by broadband technology. The FCC must make clear, and the NTIA (National Telecommunications and Information Administration) must ensure, that there is no interference to GPS. Given the substantial pre-existing investment in GPS systems and infrastructure, and the critical nature of GPS applications, the results of any terrestrial system must conclusively demonstrate there is no risk of interference or conflict with GPS systems.

Best Regards,

Jeffrey A. DeZeeuw

Corner Point, LLC
cornerpointllc@att.net
920-682-4772

IB-11-109

From: myIBFS
Sent: Friday, January 20, 2012 3:27 PM
To: Gerald Mays; Sarita Kale; Siva Appavu; Andrea Kelly; Stephen Duall; Kathyrn Medley; CurTrisha Banks; Kathleen Campbell
Subject: Pleadings and Comments Notification from MyIBFS

Type of Pleading: LETTER

Date filed: 01/20/2012

Filer Information:
Curtis W. Sumner
American Congress on Surveying and Mapping

Contact Information:

Proceedings List

File Number	Callsign	Applicant
SATMOD2010111800239	S2358	LightSquared Subsidiary LLC

No. of Copies rec'd 0
List ABCDE

IB Docket 11-109

American Congress on Surveying and Mapping

6 Montgomery Village Avenue, Suite 403, Gaithersburg, MD 20879
Phone: 240-632-9716, ext. 105 * Fax: 240-632-1321
Email: trisha.milburn@acsm.net * www.acsm.net

January16, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Re: LightSquared Subsidiary, LLC
Ex Parte Communication: IB Docket No. 11-109
IBSF File No. SAT-MOD-2010118-00239

Dear Ms. Dortch:

I am writing to you on behalf of the American Congress on Surveying and Mapping (ACSM) and the National Society of Professional Surveyors (NSPS), as well as our thousands of members across the United States. Surveying professionals are very much concerned about the plans that LightSquared has for MSS service and the affect that service will have on high-precision Global Positioning System (GPS) receivers. These types of receivers are used by virtually every professional surveyor nationwide.

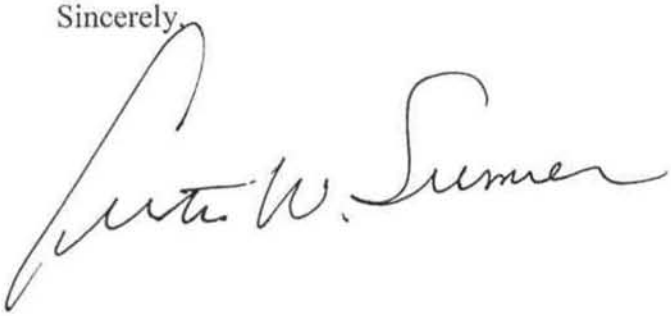
As you know, another round of tests --- this time by the National Space-Based Positioning, Navigation and Timing Executive Committee (PNT EXCOM) showed that LightSquared's original and modified plans for its proposed mobile network would cause harmful interference to many GPS receivers, including high-precision GPS receivers. This information confirms our long-standing concern that LightSquared's plan would have not only a detrimental effect on the surveying industry, but also on the hundreds of thousands of people who use the data that surveyors produce.

Surveying professionals from around the country have put their businesses and livelihood on hold while waiting for the LightSquared issue to be resolved. While surveyors are waiting for the FCC to make a definitive decision on this issue, they are holding off hiring new employees, competing for contracts, or otherwise expanding their business because they do not want to expend their cash reserves.

If LightSquared is allowed to go forward with its original plan, or even its modified plan, surveying professionals --- many of whom are small business owners --- will be forced to expend thousands of dollars to either replace or retrofit their existing high-precision GPS receivers.

In light of the latest tests by the PNT EXCOM, surveyors from around the country are asking the FCC to REPEAL its Order and Authorization of January 26, 2011 and put this matter to rest so that surveyors and other high-precision GPS users can move forward without the fear of interference from LightSquared.

Sincerely,



Curtis W. Sumner
Executive Director, ACSM/NSPS

IB Docket 11-109

ALABAMA DEPARTMENT OF TRANSPORTATION

1409 Coliseum Boulevard, Montgomery, Alabama 36110
P.O. Box 303050, Montgomery, Alabama 36130-3050

Telephone: 334-242-6311 *FAX: 334-262-8041*

Robert Bentley
Governor

John Cooper
Transportation Director

January 9, 2012

Marlene H. Dortch, Secretary
Federal Communications Commission
445 12th St. SW
Washington, DC 20554

Dear Ms. Dortch,

The Alabama Department of Transportation (ALDOT) would like to express its concern over the proposed LightSquared frequencies currently awaiting FCC approval. Based upon reports from the Technical Working Group created to study this issue, we oppose LightSquared's request to affirm its license and request to go forward with its plan until we can be assured that it will not interfere with high-precision GPS.

ALDOT maintains a statewide GPS network which allows users to obtain precise positioning anywhere in the state. This system is used by ALDOT for surveying activities related to the design and construction of transportation projects and other agencies within the state to develop accurate geospatial data which is critical to the state's daily business operations. Examples of this type data are accurate aerial photography used by Alabama Homeland Security, Alabama Emergency Management Agency, and other agencies. Accurate elevation data is also used to modernize FEMA Flood Maps along with the surveying needed to determine locations of structures within flood hazard areas. This same data is used by ALDOT for the planning and design of transportation facilities.

Other uses of this system include machine control and guidance for Precision Agriculture and Construction, Boundary Surveying, Traffic Accident Surveys, Infrastructure Inventory and Management, along with numerous others that rely on high-precision GPS.

Degradation of GPS Positioning would have an adverse impact on the daily operations of this agency, as well as, numerous other Local, State, and Federal agencies which rely on accurate positioning to meet their business needs. Allowing this plan to move forward without resolving this issue will cause undue hardships on the government agencies and private businesses which rely on this service.

Thank you in advance for your assistance in this matter.

Sincerely,

John R. Cooper
Transportation Director

Cc: Mr. D. W. Vaughn, PE
Mr. Rex F. Bush, PE/PLS
Mr. William F. Adams, PE