April 29, 2011

Marlene H. Dortch
Secretary
Federal Communications Commission
Office of the Secretary
445 12th Street SW
Washington, DC 20554

Re: IB Docket No. 08-184 and SAT-MOD 2011 1118-00239

Dear Ms. Dortch:

Pursuant to the Federal Communications Commission’s ("FCC" or "Commission") Memorandum Opinion and Order and Declaratory Ruling\(^1\) ("MO&O") and Order and Authorization\(^2\) ("O&A") (the "Orders"), LightSquared Subsidiary LLC\(^3\) ("LightSquared") submits this combined second semi-annual report under the MO&O and first quarterly report under the O&A detailing its progress in meeting the Commission’s construction and terrestrial service requirements set forth in those Commission Orders.\(^4\) By separate letter, LightSquared requests confidential treatment of this report.

LightSquared continues to advance the development of the first-ever wholesale, nationwide, 4G-LTE wireless broadband network integrated with satellite coverage, in furtherance of the Commission’s requirements. The focus over the last six months has been to continue work on initial markets and facilities, while working cooperatively with a technical interference working

\(^1\) In the Matter of SkyTerra Communications Inc., Transferor, and Harbinger Capital Partners Funds, Transferee, Applications for Consent to Transfer of Control of SkyTerra Subsidiary, LLC, Memorandum Opinion and Order and Declaratory Ruling, IB Docket No. 08-184 (March 26, 2010) ("MO&O").

\(^2\) In the Matter of LightSquared Subsidiary LLC, Request for Modification of its Authority for an Ancillary Terrestrial Component, SAT-MOD 2011 1118-00239 (Jan 26, 2011) ("O&A").

\(^3\) See Letter from Jeffrey J. Carlisle, Executive Vice President, LightSquared GP Inc., to Marlene H. Dortch, Secretary, FCC (July 20, 2010) (notifying the Commission of the corporate name changes affecting various SkyTerra-named entities).

\(^4\) The MO&O’s Condition 2 requires LightSquared, beginning on October 31, 2010 and every six months thereafter, to file reports with the Commission detailing LightSquared’s progress towards meeting the Commission’s construction and terrestrial service requirements as set forth in the MO&O. Condition 3 of the same Order requires LightSquared, beginning April 30, 2011 and every quarter thereafter, to report on the number of bytes carried on its terrestrial network, by Economic Area, over the previous 12 months, overall and by the first and second largest wireless providers. Condition III (para. 36) of the O&A requires LightSquared, commencing April 30, 2011, to provide a semi-annual report on the number of terminals and active users of its network and a quarterly report on the availability of dual-mode components from mainstream component supplier(s).
group, as required by the Commission in the O&A, to assess potential GPS device receiver overload by LightSquared’s transmissions. The last six months has also seen the successful launch and testing of LightSquared’s next generation SkyTerra 1 satellite and satellite based network, the triggering by LightSquared of Phase 2 of L-band rebanding under its Cooperation Agreement with Inmarsat, and the negotiation of strategic agreements with existing wireless service providers, all key ingredients in jump-starting LightSquared’s development and commercial implementation of its network. The details of these developments, including responses to the particular reporting elements set forth in the Orders, are set forth below and in the attachments to this letter.

SITE DEVELOPMENT IN INITIAL MARKETS

Since LightSquared’s initial October 2010 report, it has continued site development work in additional markets and has progressed with site ring vendor assignment, executed leases and satisfied zoning requirements in the initial launch markets. For example, site leases have now been executed encompassing . The initial launch market is anticipated to be .

DEVICE MANUFACTURERS

Qualcomm Incorporated is integrating L-Band LTE technology in its mainstream chipset roadmap and has developed an advanced satellite air interface technology to enable the satellite mode of operation in mobile devices. The chipset, which will facilitate access to LightSquared’s network from a wide array of devices, is anticipated to be available in . LightSquared continues to work with BandRich and AnyData, which will provide embedded modules, USB data modems, and other devices, with anticipated availability in subject to chipset availability.

GPS INTERFERENCE TECHNICAL WORKING GROUP

Pursuant to the O&A, LightSquared has formed and is working with a technical interference working group to assess potential GPS device receiver overload by LightSquared’s transmissions. LightSquared is currently working cooperatively with federal agencies, GPS industry representatives, and other stakeholders in a transparent and comprehensive testing program. Progress reports have been submitted to the Commission and NTIA as required under the O&A. The results of this process, and LightSquared’s recommendations, will be contained in a June 15th report to the Commission. Commercial operation of LightSquared’s terrestrial

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6 O&A, para 43.
system in accordance with the O&A will commence only when the process is completed to the Commission’s satisfaction.

L-BAND REBANDING

LightSquared has triggered Phase 2 of L-band rebanding under its Cooperation Agreement with Inmarsat to start the process of freeing up additional contiguous spectrum, providing LightSquared with enhanced operational flexibility for the deployment of its 4G-LTE integrated terrestrial and satellite network. Additional information regarding the triggering of Phase 2 is shown in Exhibit A hereto.

SATELLITE

LightSquared’s Boeing 702HP SkyTerra 1 was successfully launched on November 14, 2010 by International Launch Services aboard a Proton M launch vehicle. The satellite successfully arrived on station at its designated orbital location of 101.3 deg west longitude in late November. All deployments were successful and the satellite and the satellite based network (SBN) consisting of the satellite and four ground stations with ground based beam-formers successfully completed in-orbit testing on February 9, 2011. LightSquared accepted the satellite and the SBN on February 10, 2011 and the system has been operating nominally since. The satellite is expected to meet its 15 year design life and, to date, all performance requirements have been met by Boeing. This next-generation, high-capacity communications satellite system is designed for compatibility with Ancillary Terrestrial Component (ATC) technology, operates with cellular-like wireless devices, will have coverage area, power and bandwidth that can be tailored to area and traffic requirements as well as the largest reflector ever designed for a commercial satellite. Additional information regarding the successful launch and testing of the SkyTerra-1 satellite and SBN is shown in Exhibit B hereto.

SkyTerra 2 has been completed by Boeing and it is currently in storage at Boeing.

STRATEGIC AGREEMENTS WITH OTHER WIRELESS SERVICE PROVIDERS

LightSquared has reached strategic agreements with Leap Wireless, SI Wireless, Cellular South, and, in principle, Open Range. A roaming agreement with Leap Wireless will allow Cricket, Leap’s operating subsidiary, to supplement its own developing LTE coverage with LTE roaming services from LightSquared. Bilateral roaming agreements with SI Wireless and Cellular South will allow each provider similar 4G-LTE access in their service areas, as well as satellite coverage in rural communities where there is currently no terrestrial network. The strategic partnership agreement in principle with Open Range is anticipated to enable Open Range to provide LightSquared’s next generation satellite capacity in rural communities, including tribal lands served by Open Range and is also anticipated to include a 4G nationwide reciprocal roaming
arrangement. Additional information regarding these agreements is shown in Exhibits C, D, E, and F hereto.

PARTICULAR REPORTING REQUIREMENTS

- Pursuant to reporting requirement III.A of the O&A, LightSquared reports that as of March 31, 2011, there were ______ terminals and approximately ______ active private network customers on its MSS-only network. LightSquared is capable of providing an estimate only of the latter because it provides wholesale services to service providers and thus does not have direct access to such information. LightSquared has not commenced the provision of commercial MSS/ATC or terrestrial only services and, accordingly, the number of reportable active terminals and active users on its network in these categories is zero. As the terrestrial network is not yet in commercial service, the number of reportable total bytes carried by LightSquared’s terrestrial network is also zero. (MO&O, Condition 3).

- Pursuant to reporting requirement III.B of the O&A, set forth below is a list of components available from mainstream component suppliers to support L-band dual mode operations:

Sincerely,

/s/ Jeffrey J. Carlisle
Jeffrey J. Carlisle
Executive Vice President
Regulatory Affairs and Public Policy

Cc: Edward Lazarus
    Paul de Sa
    Austin Schlick
    Ruth Milkman
    John Leibovitz
    Mindel De La Torre
    Rod Porter
    Gardner Foster
    IB-SATFO@fcc.gov (redacted copy; unredacted letter subject to confidentiality request)
For Immediate Release

LightSquared Delivers Notice to Inmarsat Triggering Phase 2 of Re-Banding of L-Band Spectrum in North America

RESTON, Va., January 28, 2011 – LightSquared, the nation’s first wholesale-only integrated wireless broadband and satellite network, today announced it has delivered notice to Inmarsat for the triggering of Phase 2 the Cooperation Agreement between the two companies.

Under the Cooperation Agreement originally signed in December 2007, Inmarsat and LightSquared designed a two-phase plan aimed at increasing the amount of contiguous spectrum available to both parties and at providing LightSquared with enhanced operational flexibility for the deployment of its 4G-LTE integrated terrestrial and satellite network.

LightSquared triggered Phase 1 of the Cooperation Agreement in August 2010. For Phase 1, LightSquared is currently making a series of payments to Inmarsat totaling $337.5 (USD) million.

Under the provisions of Phase 2 of the agreement, Inmarsat will make additional spectrum available to LightSquared at an annual cost of $115 million (USD) that will increase at a rate of 3 percent yearly.

“We are pleased to report that LightSquared is experiencing very strong demand for capacity on its 4G-LTE wholesale network, and therefore we have decided to accelerate the triggering of Phase 2 of our agreement with Inmarsat,” said Sanjiv Ahuja, chairman and chief executive officer of LightSquared. “When Phase 2 is fully executed, LightSquared will have the use of up to 59 MHz of terrestrial and L-Band ATC spectrum over the continental United States and Canada to operate its nationwide integrated 4G-LTE and satellite network.”

“LightSquared will work diligently and cooperatively with Inmarsat and its user community to coordinate implementation of all phases of this cooperation agreement to insure a seamless transition,” Ahuja said.

About Inmarsat
Inmarsat plc (LSE: ISAT) is the leading provider of global mobile satellite communications services. Since 1979, Inmarsat has been providing reliable voice and high-speed data communications to governments, enterprises and other organizations, with a range of services that can be used on land, at sea or in the air. The company’s services are delivered through a global network of more than 400 distribution partners.
and service providers operating in 100 countries. For the year ended 31 December 2009, Inmarsat plc had total revenue of US$1,038.1m (2008: US$996.7m) with an EBITDA of US$594.2m (2008: US$531.2m). For more information, please visit www.inmarsat.com.

About LightSquared
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For further information about LightSquared, please go to www.LightSquared.com.

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Forward Looking Statement:

This release contains forward-looking statements and information regarding LightSquared and its business. Such statements are based on the current expectations and certain assumptions of LightSquared’s management and are, therefore, subject to certain risks and uncertainties. The forward-looking statements expressed herein relate only to information as of the date of this release. LightSquared has no obligation to update these forward-looking statements to reflect events or circumstances after the date of this release, nor is there any assurance that the plans or strategies discussed in this release will not change.
For Immediate Release

LightSquared Next-Generation Satellite and Space-Based Network Successfully Completes Post Launch Testing

Satellite system has been accepted and is ready to begin service

RESTON, Va., February 14, 2011 – LightSquared, the nation’s first wholesale-only integrated wireless broadband and satellite network, today announced the successful post launch testing and acceptance of the SkyTerra 1 satellite and Space-Based Network (SBN) from Boeing Space and Intelligence Systems.

Boeing has successfully completed its work on integrating the satellite’s communications with the ground segment to form the first integrated wireless broadband and satellite network. The satellite, among the most powerful commercial satellites ever built, and its state-of-the-art ground based beam-forming system, will provide ubiquitous nationwide coverage and enable integrated satellite-terrestrial service using products that are similar to today’s typical mobile devices in terms of size, capabilities and build costs.

Launched on November 14, 2010, from the Baikonur Cosmodrome in Kazakhstan, SkyTerra 1 has a 22-meter L-Band antenna and will relay high-data rate radio frequency signals to and from four LightSquared terrestrial gateways located in the United States and Canada.

“The acceptance of our SkyTerra 1 satellite and successful network commissioning is a quantum leap forward toward creation of LightSquared’s next-generation integrated network, the world’s first to combine satellite and terrestrial technologies,” said Sanjiv Ahuja, chairman and chief executive officer for LightSquared. “The LightSquared network will empower our company to offer 4G speed, value and reliability while enabling universal wireless connectivity throughout the United States and Canada. We also would like to commend our partner Boeing and their subcontractors for their dedication and professionalism in successfully delivering a great satellite network.”

The LightSquared integrated terrestrial and satellite network is designed to provide wireless mobile services to millions of subscribers across the United States that includes meeting stringent Federal Communications Commission mandates for coverage of more than 90 percent of the United States population by the end of 2015.
About LightSquared
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FOR IMMEDIATE RELEASE

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SAN DIEGO AND RESTON, Va. — March 22, 2011 — Leap Wireless International, Inc. (NASDAQ: LEAP), a leading provider of innovative and value-driven wireless communications services, and LightSquared™, the nation’s first wholesale-only integrated wireless broadband and satellite network company, today announced that they have entered into a long-term 4G roaming agreement. The new arrangement will allow Cricket, Leap’s operating subsidiary, to supplement the LTE coverage that Cricket plans to deploy across its own networks over the next few years with LTE roaming services from LightSquared.

“Our business progress demonstrates how data services are increasingly important to our customers, as evidenced by our customers’ significant uptake of smartphones and data-focused, higher-ARPU service plans,” said Doug Hutcheson, Leap’s President and CEO. “We intend to deploy our own LTE networks beginning this year to complement the existing nationwide 3G services we currently offer to customers. This new roaming arrangement will allow us to offer customers an even-greater 4G service area as LightSquared expands its own network. We believe that the broad coverage resulting from this business agreement will enhance our ability to offer compelling products and services and allow us to strengthen our retail relationships and distribution capabilities. It will also give us flexibility to access additional 4G capacity where needed as data-centric devices become more popular and require more and more bandwidth.”

“Leap is a fantastic company and we’re excited to do business with them,” said Sanjiv Ahuja, chairman and CEO of LightSquared. “Cricket customers’ appetite for wireless data is growing exponentially and in ways no one could have envisioned even a few years ago. By providing a wholesale-only nationwide 4G
Cricket Enters into 4G Roaming Agreement with LightSquared

LTE network complemented by satellite coverage, LightSquared will help Leap meet its customers’ demand for universal, affordable broadband connectivity. We are fully committed to delivering our roaming services on time and with the quality, speed, coverage and capacity required to support Leap’s business needs.”

Financial and other terms of the roaming agreement were not disclosed.

About Leap
Leap provides innovative, high-value wireless services to a fast-growing, young and ethnically diverse customer base. With the value of unlimited wireless services as the foundation of its business, Leap pioneered its Cricket® service. The Company and its joint ventures now operate in 35 states and the District of Columbia and hold licenses in 35 of the top 50 U.S. markets. Through its affordable, flat-rate service plans, Cricket offers customers a choice of unlimited voice, text, high-speed data and mobile Web services. Headquartered in San Diego, Calif., Leap is traded on the NASDAQ Global Select Market under the ticker symbol "LEAP." For more information, please visit www.leapwireless.com.

About LightSquared
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Forward-Looking Statements
This press release contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements reflect current expectations based on currently available operating, financial and competitive information, but are subject to risks, uncertainties and assumptions that could cause actual results to differ materially from those anticipated in or implied by the forward-looking statements. Leap’s forward-looking statements include discussions about its expansion plans and
are generally identified with words such as "believe," "expect," "intend," "plan," "will," "could," "may" and similar expressions. Risks, uncertainties and assumptions that could affect such forward-looking statements include, among other things:

- Leap’s ability to execute effectively with respect to our planned launch of LTE network coverage and to realize expected benefits from our new roaming arrangement;
- Leap’s ability to attract and retain customers in an extremely competitive marketplace;
- The duration and severity of the current recession in the United States and changes in economic conditions, including interest rates, consumer credit conditions, consumer debt levels, consumer confidence, unemployment rates, energy costs and other macro-economic factors that could adversely affect demand for the services Leap provides;
- The impact of competitors’ initiatives;
- Leap’s ability to successfully implement product and service plan offerings, expand its retail distribution and execute effectively on its other strategic activities;
- Leap’s ability to obtain and maintain roaming and wholesale services from other carriers at cost-effective rates;
- Leap’s ability to maintain effective internal control over financial reporting;
- Leap’s ability to attract, motivate and retain an experienced workforce, including members of senior management;
- Future customer usage of Leap’s wireless services, which could exceed its expectations, and its ability to manage or increase network capacity to meet increasing customer demand;
- Leap’s ability to acquire additional spectrum in the future at a reasonable cost or on a timely basis;
- Leap’s ability to comply with the covenants in any credit agreement, indenture or similar instrument governing any of its existing or future indebtedness;
- Leap’s ability to integrate, manage and operate its new joint venture with Pocket Communications;
- failure of Leap’s network or information technology systems to perform according to expectations and risks associated with the upgrade or transition of certain of those systems, including Leap’s billing system; and
- other factors detailed in the section entitled “Risk Factors” included in Leap’s periodic reports filed with the SEC, including our Annual Report on Form 10-K for the year ended December 31, 2010, filed with the SEC on February 25, 2011.
Cricket Enters into 4G Roaming Agreement with LightSquared

LEAP

All forward-looking statements included in this news release should be considered in the context of these risks. Leap undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Investors and prospective investors are cautioned not to place undue reliance on our forward-looking statements.

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For Immediate Release

LightSquared and SI Wireless Announce They Have Entered into a Bilateral Roaming Agreement

RESTON, Va., April 21, 2011 – LightSquared™, the nation’s first, wholesale-only integrated 4G-LTE wireless broadband and satellite network, and SI Wireless, a partnership of rural independent telephone companies, delivering 3G-CDMA/EVDO technology to rural parts of Illinois, Kentucky and Tennessee, have entered into a bilateral roaming agreement.

This agreement will provide subscribers of SI Wireless with a nationwide 4G-LTE footprint as well as satellite coverage in rural areas where there is no terrestrial network. It will also expand LightSquared’s data coverage to additional rural communities in the SI Wireless coverage area.

“This agreement is key to our vision of delivering the most advanced communications services to our customers,” said SI Wireless Chief Executive Officer, Terry Addington. “We understand that subscribers of Tier 2 and 3 carriers expect access to the most advanced technology nationwide and LightSquared’s business model is completely aligned with the coverage and capacity needs of rural operators, allowing them to compete with their larger competitors.”

“SI Wireless’ plan to deliver wireless services throughout rural underserved markets underscores LightSquared’s vision to provide universal broadband connectivity throughout the U.S.,” said Sanjiv Ahuja, Chairman and CEO of LightSquared. “We are delighted to partner with rural operators from all over the country – offering them our nationwide 4G-LTE and satellite coverage and capacity through our wholesale-only model at attractive rates – it is our wholesale-only business model that enables a wide range of partnerships from established carriers with thousands or millions of subscribers to greenfield start-up operators like SI Wireless.”

About LightSquared

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Forward Looking Statement

This release contains forward-looking statements and information regarding LightSquared and its business. Such statements are based on the current expectations and certain assumptions of LightSquared’s management and are, therefore, subject to certain risks and uncertainties. The forward-looking statements expressed herein relate only to information as of the date of this release. LightSquared has no obligation to update these forward-looking statements to reflect events or circumstances after the date of this release, nor is there any assurance that the plans or strategies discussed in this release will not change.
For Immediate Release

LightSquared and Cellular South Announce They Have Entered Into a Bilateral Roaming Agreement

RESTON, Va., April 20, 2011 — LightSquared™, the nation's first, wholesale-only integrated 4G-LTE wireless broadband and satellite network, and Cellular South, the nation's largest privately owned wireless communications provider, have entered into a bilateral roaming agreement.

This agreement will provide subscribers of Cellular South with a nationwide 4G-LTE footprint as well as satellite coverage in rural areas where there is no terrestrial network. It will also expand LightSquared’s 4G data coverage to additional rural communities.

"LightSquared's wholesale-only, integrated 4G-LTE wireless broadband and satellite network, makes them a valuable partner because it enables us to provide our customers, including those in rural locations, with nationwide access to the most advanced technology and reliable coverage available," said Hu Meena, president and CEO of Cellular South.

"Cellular South’s passion and commitment to helping their customers get the most out of their wireless services makes them a great partner for LightSquared," said Sanjiv Ahuja, Chairman and CEO of LightSquared. "We are pleased to offer Cellular South our nationwide 4G-LTE and satellite coverage and capacity through our wholesale-only model at attractive rates so they can better service their customers, and we’re pleased to offer our customers additional coverage through Cellular South’s extensive network."

About LightSquared

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About Cellular South

Cellular South is a diversified mobile communications company passionately committed to helping customers get the most out of their wireless devices and services. The nation’s largest privately owned wireless communications provider accomplishes this goal by optimizing customers’ app experience through Discover Apps, providing the most reliable and advanced high-speed nationwide wireless voice and data network, offering industry-leading family and unlimited flat rate voice, text and mobile web plans, and through its online and in-store Discover Centers, which give customers easy, simple and convenient tools, tips, advice and information on how to get the most out of their mobile phone. For more information about Cellular South and its products and services, visit www.cellularsouth.com.
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LightSquared and Open Range Partner to Expand Deployment of Nation’s First 4G LTE Wireless Broadband and Satellite Network to Rural American Communities

RESTON, Va., March 11, 2011—LightSquared™, the nation’s first, wholesale-only integrated 4G-LTE wireless broadband and satellite network, and Open Range Communications, a broadband wireless provider of Internet and digital phone service to rural American communities, today announced that they have entered into an agreement in principle to establish a multi-year strategic network partnership.

This partnership represents a major step toward fulfilling the promise of the Federal Communications Commission’s (FCC) National Broadband Plan. As stated in the plan, “Broadband can and must serve as a foundation for long-term economic growth, on-going investment and enduring job creation.” This partnership underscores the goals of this plan by providing benefits to consumers, businesses, healthcare, tribal organizations, public safety and other government users located in or traveling to rural communities and who are seeking access to the latest generation of mobile services.

The partnership is expected to include a licensing arrangement whereby Open Range will lease LightSquared’s L-band spectrum. This wholesale agreement will enable Open Range to sell LightSquared’s next generation satellite capacity. The partnership will also include a 4G nationwide reciprocal roaming arrangement. Under the arrangement, the companies will collaborate on the design, build-out and operation of Open Range’s network as well as on product and service evolution.

The arrangement, which is set out in an Initial Network Agreement, is subject to the execution of definitive agreements, which are expected to be finalized as soon as possible. It is also subject to review by the United States Department of Agriculture’s Rural Development Utilities Program, and approval of spectrum lease arrangements by the FCC.

“Open Range’s unwavering vision is for ubiquitous High Speed Internet Service at an affordable price across all of rural America. The partnership with LightSquared helps fulfill our vision of delivering the most advanced and interoperable broadband wireless communications services to unserved and underserved rural communities across America. The combination of satellite and Ancillary Terrestrial Component (ATC) services provides the only feasible way to offer meaningful ubiquitous nationwide rural broadband and meet President Obama's goals,” said Open Range Chief Executive Officer and founder Bill Beans.

“This partnership enables LightSquared to provide an enlarged and seamless nationwide 4G-LTE footprint to all of our retail partners and their customers, and is part of LightSquared’s planned commercial service which will result in billions of dollars of investment, offer consumers a new wireless competitor and create tens of thousands of jobs across America,” said Sanjiv Ahuja, chairman and chief executive officer of LightSquared.

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first-ever wholesale-only nationwide 4G-LTE network complemented by satellite coverage, LightSquared offers people the speed, value, and reliability of universal broadband connectivity, wherever they are in the United States. Through its wholesale-only business model, those without their own wireless network or who have limited geographic coverage or spectrum can develop and sell their own devices, applications, and services using LightSquared’s open 4G network—at a competitive cost and without retail competition from LightSquared.

For further information about LightSquared, please go to www.LightSquared.com.

About Open Range
Headquartered in Greenwood Village, Colorado, Open Range Communications is a unique public and private partnership. The company was approved in 2009 for a loan by the United States Department of Agriculture’s Rural Development Utilities Program (RDUP) to deliver High Speed Wireless Internet to more than 500 communities across 17 states. This Broadband Access Loan of $267 million loan (the largest in USDA history) was made possible through the positive and combined efforts of the USDA’s RUS and FCC. Open Range received additional private equity funding on January 9, 2009 through an investment of $100 million from One Equity Partners (OEP), the private equity arm of JPMorgan Chase & Co. The OEP investment satisfied the RDUP’s loan terms, making the funds available to Open Range.

## CONTACTS:

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