



November 2, 2015

Accepted / Filed

NOV - 2 2015

Federal Communications Commission
Office of the Secretary

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 IBFS File No. SAT-MOD-20101118-00239

Dear Ms Dortch:

LightSquared Subsidiary LLC ("LightSquared")¹ hereby submits this combined semi-annual report pursuant to the *Memorandum Opinion and Order and Declaratory Ruling* adopted by the Commission on March 26, 2010 in IB Docket No. 08-184 (the "MO&O"), and quarterly report pursuant to the *Order and Authorization* adopted by the Commission on January 26, 2011 in IBFS File No. SAT-MOD-20101118-00239 (the "O&A") (collectively, the "Orders"). By separate letter, LightSquared requests confidential treatment of this report.

On February 15, 2012, the Commission released a Public Notice seeking comment on the letter sent to it on February 14, 2012 by the National Telecommunications and Information Administration's (NTIA).² The Public Notice addressed certain issues related to the potential incompatibility of GPS receivers with LightSquared's planned operations, and recommended vacating the Commission's *Conditional Waiver Order* and modifying LightSquared's satellite license to suspend indefinitely its ATC authority. The *Conditional Waiver Order* itself provides that LightSquared and members of the GPS industry must resolve certain outstanding issues "before LightSquared commences offering commercial service pursuant to [the waiver granted in the *Conditional Waiver Order*] on its L-band MSS frequencies."³ In light of the Commission's Public Notice and the unresolved condition in the *Conditional Waiver Order*, LightSquared is not yet providing commercial service using its ATC authority. LightSquared remains committed to working cooperatively with Congress, federal

¹ 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).

² See *Public Notice: International Bureau Invites Comment on NTIA Letter Regarding LightSquared Conditional Waiver*, IB Docket No. 11-109, DA 12-214 (Feb. 15, 2012).

government agencies, and the GPS industry to address the concerns raised by the GPS industry and others.

Beginning in September of 2012, LightSquared made a series of filings with the Commission proposing solutions that would allow it to deploy terrestrial broadband service in a way that ensures that GPS receivers are compatible with LightSquared's operations. These filings have been accepted by the Commission and all have been placed on public notice for comment.⁴

SITE DEVELOPMENT

As a result of the Commission's Public Notice of February 15, 2012, LightSquared has not undertaken any significant site development activity related to the provision of two-way terrestrial mobile service during this reporting period.⁵ LightSquared has focused its efforts on resolving the underlying spectrum and deployment issues identified by the Commission through the series of filings referenced above.

DEVICE MANUFACTURERS

Qualcomm Incorporated has integrated L-Band LTE technology in its chipset roadmap and has developed an advanced satellite air interface technology to enable the satellite mode of operation in mobile devices.

SATELLITE

Each of the satellites operated by LightSquared has performed nominally and as expected over the past six months.

PARTICULAR REPORTING REQUIREMENTS

1. Pursuant to reporting requirement III.A of the O&A, LightSquared reports that as of October 31, 2015 there were approximately [REDACTED] terminals and approximately [REDACTED] active private network customers on its MSS-only network. LightSquared is capable of providing only an estimate of the latter figure because LightSquared does not have direct access to the subscriber counts of its wholesale customers. As noted above, LightSquared is not yet providing

³ *LightSquared Subsidiary LLC*, 26 FCC Rcd 566, at ¶ 41 (2011).

⁴ See *Public Notice, Federal Communications Commission Invites Comment on LightSquared Request to Modify Its ATC Authorization*, DA 12-863 (rel. Nov. 16, 2012); *Public Notice, Consumer & Governmental Affairs Bureau Reference Information Center Petition for Rulemaking Filed*, RM No. 11683 (rel. Nov 16, 2012).

⁵ LightSquared has implemented a one-way DVB-H network in the 1670-1675 MHz band.

commercial MSS/ATC or terrestrial-only services. 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 also is zero (see Condition 3 to the MO&O).

2. Pursuant to reporting requirement III.B of the O&A, LightSquared provides the following list of components available from mainstream component suppliers to support L-band dual mode operations:

RF Components:



Sincerely,

A handwritten signature in black ink, appearing to read 'Jeffrey J. Carlisle'.

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

Cc: Jonathan Sallet
John Leibovitz
Mindel De La Torre
Jennifer Gilsenan
IB-SATFO@fcc.gov