



June 29, 2012

**Via Electronic Filing (IBFS)**

Ms. Mindel De La Torre  
Bureau Chief  
International Bureau  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20054

**RE: LightSquared Subsidiary LLC  
Annual Status Report  
Call Signs AMSC-1 and S2358**

Dear Ms. De La Torre:

Pursuant to Section 25.210(l) of the Commission's Rules, LightSquared Subsidiary LLC hereby submits its annual status report for its licensed L-band/Appendix 30B Ku-band satellites.<sup>1</sup> Please contact the undersigned with any questions regarding this matter.

Very truly yours,

\_\_\_\_\_/s/\_\_\_\_\_  
\_\_\_\_\_

Jeffrey J. Carlisle  
Executive Vice President, Regulatory Affairs & Public Policy

cc: Columbia Operations Center, FCC

---

<sup>1</sup> In August 2004, the Commission decided that L-band Mobile Satellite Service operators are required to submit by June 30<sup>th</sup> the annual report mandated by Section 25.210(l) of the Commission's rules applicable to Fixed Satellite Service satellites. See *Revision of the Commission's Rules to Ensure Compatibility With Enhanced 911 Emergency Calling Systems, Second Report and Order*, 19 FCC Rcd 16964, n.43 (2004).

**LightSquared Subsidiary LLC**  
**Annual Status Report**  
**June 1, 2011 to May 31, 2012**

**Part I: Status of satellite construction and anticipated launch dates.**

*AMSC-1 (or MSAT-2).* The corporate predecessor of LightSquared Subsidiary LLC (“LightSquared”) was licensed by the Commission in 1989 to construct, launch, and operate a satellite (AMSC-1) to provide Mobile Satellite Service (“MSS”) using L-band frequencies for service links and Appendix 30B Ku-band frequencies for feeder links.<sup>2</sup> AMSC-1 was launched into orbit at the nominal 101°W orbital location in 1995 and began offering service in 1996.

*SkyTerra 1 (Call Sign S2358).* The corporate predecessor of LightSquared was licensed by the Commission in May 2005 to launch and operate a next-generation MSS satellite (SkyTerra 1) to replace AMSC-1, using L-band frequencies for service links and Appendix 30B Ku-band frequencies for feeder links.<sup>3</sup> The satellite was launched on November 14, 2010, and commenced service in 2011.<sup>4</sup>

**Part II: Non-scheduled transponder outages for more than thirty minutes.**

*AMSC-1.* There have been no non-scheduled transponder outages for more than thirty minutes.

*SkyTerra 1.* On March 7<sup>th</sup>, SkyTerra 1 experienced a non-scheduled outage for more than thirty minutes. The outage was induced by elevated solar activity that caused an automatic and controlled shutdown of the satellite payload. The settings on the satellite have been re-optimized to ensure that similar events will not result again in an outage. LightSquared transitioned customers to the legacy MSAT satellite network to ensure continued service pending restoration of service on SkyTerra 1, which was completed by June 10, 2012.

**Part III: Transponder utilization.**

*AMSC-1.* LightSquared’s Appendix 30B Ku-band feeder link frequencies on AMSC-1 are used to connect the terrestrial network, such as the public switched telephone/data network, to the satellite, and these transmissions are translated to the L band for communications to and from the MSS terminals. The satellite continues to utilize its Ku-L transponder capability 100% of the time.

*SkyTerra 1.* LightSquared’s Appendix 30B Ku-band feeder link frequencies on SkyTerra 1 are used to connect the terrestrial network, such as the public switched telephone/data network, to the satellite, and these transmissions are translated to the L band for communications to and from the MSS terminals. The satellite continues to utilize its Ku-L transponder capability 100% of the time.

**Part IV: Transponders not available for service or not performing to specifications.**

*AMSC-1.* There have been no changes to the transponder performance or availability over the past year.

*SkyTerra 1.* There are no transponders unavailable for service or otherwise not performing to specifications.

---

<sup>2</sup> See *Order and Authorization*, 4 FCC Rcd 6041 (1989); *remanded by Aeronautical Radio, Inc. v. FCC*, 928 F.2d 428 (D.C. Cir. 1991); *Final Decision on Remand*, 7 FCC Rcd 266 (1992); *aff’d, Aeronautical Radio, Inc. v. FCC*, 983 F.2d 275 (D.C. Cir. 1993); see also *AMSC Subsidiary Corporation, Memorandum Opinion and Order*, 8 FCC Rcd 4040 (1993).

<sup>3</sup> See *Order and Authorization*, DA 05-1492 (May 23, 2005).

<sup>4</sup> See, e.g., Public Notice, Report No. SAT-00759 (February 18, 2011).