

Exhibit A

LightSquared Subsidiary LLC (“LightSquared”) requests experimental authority to conduct Ancillary Terrestrial Component (“ATC”) testing to determine the effects of L-band LTE signals on GPS devices in a live field test environment. The testing is an outgrowth of the requirements established in FCC Order DA 11-133 and the tests conducted pursuant to FCC authority granted in File No. 0236-EX-ST-2011.¹ All testing will be conducted consistent with LightSquared’s ATC authorization and the FCC’s Part 5 rules.² LightSquared is coordinating the proposed testing with the Federal Aviation Administration (“FAA”) and Inmarsat Inc. (“Inmarsat”). Testing will be on a non-harmful interference basis with respect to Inmarsat operations, pending completion of coordination.

Prior to and during testing, LightSquared will seek input from the GPS Technical Working Group (“TWG”) that was formed pursuant to FCC Order DA 11-133. TWG members also will be permitted to participate in the testing and evaluate independently the effects of L-band LTE signals on GPS devices.

Testing will occur in a 2 km radius at four sites near Las Vegas, Nevada. The approximate locations of all the test sites are provided in the associated FCC STA Form and Exhibit B. Testing will occur on select days and at certain times from 05/16/11 to 05/27/11, all of which will be coordinated with the FAA and Inmarsat to minimize potential interference.³ The FAA has indicated that it will issue Notices to Airmen (“NOTAMs”) for the relevant areas during the test period.

LightSquared’s operational and technical (stop-buzzer) points of contacts are listed in Exhibit B. LightSquared will be able to cease transmissions within one minute of any notification of harmful interference. Exhibit B also contains a summary of the technical parameters that the Commission has indicated may be relevant for the testing.

¹ See *In the Matter of LightSquared*, DA 11-133, at ¶¶ 41-43 (January 26, 2011); see also GPS Technical Working Group Progress Report #1 (March 15, 2011), submitted as an attachment to Letter from Henry Goldberg to Marlene H. Dortch, File No. SAT-MOD-20101118-02039 (March 15, 2011).

² See *In the Matter of Mobile Satellite Ventures Subsidiary LLC*, 19 FCC Rcd 22144 (2004); *In the Matter of SkyTerra Subsidiary LLC*, 25 FCC Rcd 3043 (2010).

³ LightSquared also is providing notice of the proposed testing to CMRS and public safety operators with base stations in the area, concurrent with the filing of this application. However, due to the expected testing process to be coordinated with the FAA and Inmarsat (i.e. brief test windows and intermittent operations) and the fact that GPS receivers typically have the ability to keep accurate time for at least 24 hours without a GPS refresh, LightSquared believes that any GPS receivers on such base stations will not be impacted by the testing.