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**By ECFS and Hand Delivery**

June 7, 2016

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

**Re: Written *ex parte* presentation in IB Docket No. 11-109; IBFS File  
Nos. SES-MOD-20151231-00981, SAT-MOD-20151231-00090,  
and SAT-MOD-20151231-00091**

Dear Ms. Dortch:

Ligado Networks LLC (“Ligado”) submits this letter to provide the detailed dataset underlying the testing that Roberson and Associates (RAA) completed with respect to whether deployment of LTE in adjacent bands affects the ability of GPS devices to provide consumers with accurate location information. The dataset includes the detailed listings of the position errors used to produce the Key Performance Indicator graphs that were filed by Ligado on May 11, 2016.<sup>1</sup> Each row of the dataset files includes the available information about the device and antenna, the test condition, a time stamp, the calculated position error, the GPS quality indicator, and details about the GPS satellite C/N<sub>0</sub> values.

Please direct any questions to the undersigned.

Sincerely,

/s/ Gerard J. Waldron

Gerard J. Waldron  
*Counsel to Ligado Networks*

cc: Mr. Ron Repasi (by hand)  
Mr. Charles Mathias (by hand)

Enclosure

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<sup>1</sup> See Letter from Gerard J. Waldron, counsel to Ligado, to Marlene H. Dortch, FCC Secretary, IB Docket No. 11-109 *et al.*, at Attachment (filed May 11, 2016).