



Federal Communications Commission  
Washington, D.C. 20554

DA 06-2427

November 29, 2006

Mr. Paul Moller  
Intellicom Technologies  
1335 W. Shellfish Dr.  
Gilbert, AZ 85233

Re: Call Sign: E060390  
File No.: SES-LIC-20061028-01894  
File No.: SES-AMD-20061108-01963

Dear Mr. Moller:

On October 28, 2006, L3 Titan/Linkabit (L3 Titan) filed the above-captioned application for a mobile satellite service (MSS) earth station to be operated in the Conventional Ku-band.<sup>1</sup> L3 Titan amended this application on November 8, 2006. The proposed earth station, as amended, is to use a 0.36 meter remote antenna mounted on top of a vehicle. The earth station will communicate, while the vehicle is in motion, with U.S.-licensed Points of Communication<sup>2</sup> (POC) and a fixed hub station.<sup>3</sup> Pursuant to Section 25.112(a)(1) of the Commission's rules, 47 C.F.R. §25.112(a)(1), we dismiss the application as defective without prejudice to refileing.

In response to Question E49 of Schedule B, L3 Titan lists the maximum EIRP density per carrier for emissions 22M9G7D as +1.1 dBW/4 KHz. This is less than, and therefore inconsistent with, the average value of +7.4 dBW/4 kHz that we calculated using the EIRP L3 Titan provides in response to Question E48 of Schedule B and the bandwidth of each emission. Given this inconsistency, we cannot determine the proposed emission power.

Further, in response to Question E32 of Schedule B of the amended application, L3 Titan lists the antenna size as 0.36 meter. Because the proposed antenna does not meet the antenna performance standards in Section 25.209 (a) and (b), 47 C.F.R. §25.209(a) and (b), L3 Titan was required to submit the corresponding antenna radiation pattern.<sup>4</sup> L3 Titan did not include this submission in its application. Therefore, the application is incomplete.

While we dismiss the application on the above basis, we take the opportunity to apprise L3 Titan of other potential issues with the application should it choose to refile it. In response to Question 17D of Form 312, L3 Titan categorizes its request as an "Initial Application" for a "Mobile Satellite Earth Station" (Fee Code CYB). However, in response to Question E29 of Schedule B, L3 Titan seeks authority to operate up to 6 antennas. Earth station applicants may file for

<sup>1</sup> 11.7-12.2 GHz and 14.0-14.5 GHz.

<sup>2</sup> AMC-5 at 79° W.L., AMC-2 at 85° W.L., IA-7 at 129° W.L., AMC-9 at 85° W.L., and IA-8 at 89° W.L.

<sup>3</sup> FCC call sign E000002.

<sup>4</sup> See 47 C.F.R. §25.132(b)(3).

multiple Ku-band antennas under the same individual earth station license only when all antennas will operate within ten geographical seconds of each other. If it chooses to refile, L3 Titan should confirm that it has used the correct fee code classification. If the proposed antennas will not operate within ten seconds of each other, L3 Titan must seek a blanket earth station license (Fee Code BGB).

In addition, in response to Question E21 of Schedule B, L3 Titan lists the AMC-9 satellite at 85° W.L as one of the Points of Communication. AMC-9 is located at 83° W.L. If L3 Titan plans to communicate with the AMC-9, it must specify the current orbital location in any resubmitted application.

Finally, in response to Question E57 of Schedule B, L3 Titan lists the antenna elevation angle as 21 degrees while the vehicle is fixed. Elsewhere in the application, L3 Titan lists the antenna elevation angle as 10 degrees while the vehicle is in motion. Because L3 Titan appears to be seeking authority to operate this station while in motion, it should, in any refiling, list a consistent minimum elevation angle throughout its application.

Accordingly, pursuant to Section 25.112(a)(1) of the Commission's rules, 47 C.F.R. §25.112(a)(1), and Section 0.261 of the Commission's rules on delegations of authority, 47 C.F.R. §0.261, we dismiss L3 Titan application without prejudice to refiling.<sup>5</sup>

Sincerely,

Scott A. Kotler  
Chief, Systems Analysis Branch  
Satellite Division  
International Bureau

---

<sup>5</sup> If L3 Titan refiles a license application for an initial earth station license (Fee Code CYB) identical to the one dismissed, with the exception of supplying the corrected or missing information, it need not pay an application fee. *See* 47 C.F.R. §1.1109(d).