



Federal Communications Commission  
Washington, D.C. 20554

**DA 06-129**

January 23, 2006

Mr. Noel Imitz  
C5 Communications, LLC  
4212 San Felipe St.  
Houston, TX 77027

Re: File No. SES-STA-20051107-01528

Dear Mr. Imitz:

On November 4, 2005, C5 Communications, LLC (C5) requested Special Temporary Authorization (STA) to operate a 1.0 meter Ku-Band<sup>1</sup> earth station on board a vessel (ESV). Specifically, the ESV will be operated on a Singapore-registered vessel in the Atlantic Ocean, Gulf of Mexico, Caribbean Sea, and navigable inland waterways, but no closer than 150 km of the areas discussed in Sections 25.222(d) and (e) of the Commission's rules, 47 C.F.R. §§ 25.222(d) and (e). The ESV will access the SATMEX-5 satellite at 116.8° W.L. and will operate through a hub earth station licensed to Loral Skynet Network Services, Inc.<sup>2</sup>

The Commission does not have the authority to issue a license under Title III of the Communications Act to an ESV applicant who seeks authority to operate on a foreign-registered vessel. However, if the Administration of Singapore authorizes this earth station, the ESV can operate within the waters of the United States provided those operations comply with the Commission's Ku-band ESV rule, Section 25.222 of the Commission's rules, 47 C.F.R. §§ 25.222.

In light of the above, we are dismissing C5's STA Request, IBFS File No. SES-STA-20051107-01528, as moot.

Nevertheless, we take this opportunity to inform you that based on our review of the information provided in the request, the proposed operations do not comply with Commission rules for the following reasons: the proposed ESV emissions exceed the off-axis EIRP density limits in Section 25.222(a)(1) and (2); and second, the time required for the ESV to cease emissions if the angle between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna exceeds 0.5 degrees does not comply with the limit in Section 25.222(a)(7).

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

<sup>2</sup> See IBFS File No. SES-LIC-19980223-00223, Call Sign E980149, for the current authorization of the Loral Skynet Network Services, Inc. Earth Station.

To operate in compliance with Commission rules, the maximum input power density into the ESV's antenna flange should be -21 dBW/4 kHz. Furthermore, if a mispointing of the antenna is greater than 0.5 degrees, C5 must be able to detect and cease ESV transmissions within 100 milliseconds.

Sincerely,

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