



Federal Communications Commission
Washington, D.C. 20554

DA 07-271

January 26, 2007

Mr. Robert J. Miller
Gardere Wynne Sewell LLP
1601 Elm Street
Suite 3000
Dallas, TX 75201

Re: Call Sign E060375
File No. SES-LIC-20061011-01829

Dear Mr. Miller:

On October 11, 2006, Schlumberger Technology Corporation (Schlumberger) filed the above-captioned application to operate twenty earth stations aboard vessels (ESV) in the Fixed Satellite Service (FSS). The network will communicate with ALSAT-designated satellites in the conventional Ku-band.¹ Pursuant to Section 25.112(a)(1) of the Commission's rules, 47 C.F.R. §25.112(a)(1), we dismiss this application as defective without prejudice to refile.

Specifically, Schlumberger indicates that its proposed ERA Model KU12LR antenna exceeds the envelope specified in Section 25.209 of the Commission's rules, 47 C.F.R. §25.209, between 1.5 and 6.0 degrees offset angle from the boresight.² Schlumberger proposes to operate this antenna with a maximum power density at the antenna flange not to exceed -19 dBW/4 kHz.³ This is inconsistent with the information in Schedule B of the application which proposes to operate at a higher level. Specifically, in response to item E49 of Schedule B, Schlumberger indicates that the Maximum EIRP density per Carrier is 28.3 dBW/4kHz. However, in response to item E41/42, Schlumberger indicates that the antenna gain is 43 dBi. Based on these values, we compute a maximum power density at the input of the antenna flange to be -14.7 dBW/4 kHz rather than the -19 dBW/4kHz Schlumberger provides.

Additionally, based on the antenna patterns provided in Exhibit 4 of the application and the Maximum EIRP density provided in Schedule B, our analysis indicates that the proposed ESV will exceed the off-axis EIRP density limit of Section 25.222(a) of the Commission's rules, 47 C.F.R. §25.222(a).

Further, in response to item E50, Schlumberger indicates that when using a QPSK FEC $\frac{1}{2}$ 256 kbps modulation, the maximum EIRP per carrier will be 47.8 dBW and 41.8 dBW for 65 kbps modulation. Since this power level associated with the 256 kbps modulation exceeds that of the 65 kbps emission, Schlumberger must file all the associated parameters (E47, E48, and E49) for its 256 kbps data rate emission.

¹ 11.7-12.2 and 14.0-14.5 GHz bands.

² Form 312 Exhibit 4, Antenna Radiation Patterns.

³ *Ibid.*

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 Schlumberger's application without prejudice to refile.⁴

Sincerely,

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

⁴ If Schlumberger refiles an application identical to the one dismissed, with the exception of supplying the corrected information, it need not pay an application fee. See 47 C.F.R. Section 1.1109(d).