



Federal Communications Commission
Washington, D.C. 20554

April 12, 2013

DA 13-707

Ms. Laurie Bradt
Ocean Exploration Trust Inc.
86 Elys Ferry Road
P.O. Box 42
Old Lyme, CT 06371

Call Sign: E130063
File No.: SES-LIC-20130319-00279

Dear Ms. Bradt:

On March 19, 2013, Ocean Exploration Trust Inc. (Ocean Exploration Trust) filed the above-captioned application for a new license to operate an Earth Station on Vessel (ESV) in the 3700-4200 MHz (space-to-Earth) and 5925-6425 MHz (Earth-to Space) frequency bands. Pursuant to Section 25.112(a)(1) of the Commission's rules, 47 C.F.R. § 25.112(a) (1), we dismiss the application without prejudice to re-filing.¹

Section 25.112 of the Commission's rules, 47 C.F.R. § 25.112, requires the Commission to return, as unacceptable for filing, any earth station application that is not substantially complete, contains internal inconsistencies, or does not substantially comply with the Commission's rules. For the following reason, Ocean Exploration Trust's application is technically inconsistent, which renders it unacceptable and subject to dismissal.

In response to item E49 of Schedule B to FCC Form 312 (Maximum EIRP Density per Carrier), Ocean Exploration Trust states, for emission designator 2MG1W, a value of 11.80 dBW/4kHz. That value is inconsistent with Ocean Exploration Trust's response to Item E48 of Schedule B, which states the maximum EIRP per carrier value as 58.98 dBW. Our calculations indicate that a maximum EIRP per carrier value of 58.98 dBW over a 2 megahertz carrier bandwidth would result in a maximum EIRP density per carrier value of 31.98 dBW/4kHz. Given this inconsistency, we cannot validate the proposed emission EIRP density power of the proposed earth station.

While not a grounds for dismissal, we note that Ocean Exploration Trust incorrectly supplies a carrier emission designator of "2MG1W" in response to E47 of Schedule B. Pursuant to Section 2.202(b)(3) of the Commission's rules, 47 C.F.R. § 2.202 (b)(3), the proposed carrier necessary bandwidth must be expressed by three numerals and one letter. Therefore, the correct expression of the emission designator should be stated as "2M00G1W."

¹ If Ocean Exploration Trust re-files 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. § 1.1111(d).

Furthermore, based on our review of the technical data submitted in Exhibits A, B, and C to application, we request that Ocean Exploration Trust provide, as part of any re-filing of its application, a technical description of how this antenna establishes and maintains alignment with the target satellite, how it automatically compensates for a ship's movement to maintain the 0.2 degree pointing accuracy and how it is able to disable transmission within 100 milliseconds. We also request that Ocean Exploration Trust submit as part of any re-filed application a manufacturer's certification and demonstration that the Channel Master, model 622433901L/R, antenna complies with the off-axis EIRP densities, pointing error, and shut-off-time criteria established in Section 25.221(a)(1) of the Commission's rules.²

Accordingly, pursuant to Section 25.112(a)(1) of the Commission's rules, 47 C.F.R. § 25.112(a)(2), and Section 0.261 of the Commission's rules on delegations of authority, 47 C.F.R. § 0.261, we dismiss the above-captioned application of Ocean Exploration Trust, without prejudice to re-filing.

Sincerely,

Paul E. Blais
Chief, Systems Analysis Branch
Satellite Division
International Bureau

² 47 C.F.R. § 25.221(a)(1).