



Federal Communications Commission
Washington, D.C. 20554

January 18, 2007

Ms. Olga Madruga-Forti
Iridium Satellite LLC
6701 Democracy Blvd.
Suite 500
Bethesda, MD 20817

Re: Call Sign: E060300
File No. SES-LIC-20060804-01311

Call Sign: E960131
File No. SES-MOD-20060907-01680

Dear Ms. Madruga-Forti:

On August 4, 2006, and September 7, 2006, Iridium Satellite LLC ("Iridium") filed the above-captioned applications for authority to operate low-earth-orbit transmit/receive earth stations in Fairbanks, Alaska, and Tempe, Arizona. The earth stations will be used as telemetry, tracking, and command satellite communications earth terminals, as well as gateway earth stations and communicate with the Iridium satellite constellation. Pursuant to Section 25.111(a) of the Commission's rules, 47 C.F.R. §25.111(a), we request Iridium to amend these applications.

In the application for call sign E060300, Iridium seeks a license for five NGSO MSS feeder link earth stations in Fairbanks, Alaska using the Ka-band.¹ Upon review, we find that all five requested stations are in the same site location (64°49'3"N and 147°43'30"W), and therefore, they should be classified as five antennas at the same location, rather than being listed as five earth stations. Pursuant to Section 25.250 of the Commission's rules, 47 C.F.R. §25.250, regarding the sharing between NGSO MSS feeder link earth stations in that band, each earth station may have up to four (4) antennas. The request for five (5) antennas exceeds this limit. We request that Iridium amend the application accordingly.

Additionally, pursuant to Section 25.258 of the Commission's rules, 47 C.F.R. §25.258, use of the 29.25-29.5 GHz band for NGSO MSS feeder links are subject to a demonstration that applicant's system can share with GSO FSS and NGSO MSS systems that have been authorized for operation. Regarding both applications captioned in this letter above, we request this demonstration.

¹ 19.4-19.6 and 29.1-29.3 GHz bands.

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We request that Iridium respond to this letter by February 19, 2007. Failure to respond within this time period will result in the dismissal of the applications pursuant to 47 C.F.R. §25.112(c).

Sincerely,



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