Federal Communications Commission
Washington, D.C. 20554

DA 12-228

February 16, 2012

Harris CapRock Communications, Inc.
c/o Raul Magallanes
The Law Office of Raul Magallanes, PLLC
PO Box 1213
Houston, TX 77439

Call Sign: E960499
File No.: SES-MOD-20111224-01506

Dear Mr. Magallanes:

On December 24, 2011, Harris CapRock Communications, Inc. (Harris) filed the above-captioned modification application to add to its licensed fixed earth station a new Andrew 3.7 meter antenna (Type ES37-2LPC37) to operate in the conventional C-band frequencies.[1] For the reasons stated below, we dismiss the application as defective, without prejudice to re-filing.[2]

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. The Harris application has the following deficiencies, which render the application unacceptable and subject to dismissal:

1. In Schedule B, item E40, the maximum total output EIRP (dBW) for all carriers, Harris entered 66.64 dBW. However our calculation based upon the values provided for the total input power at the antenna flange and the antenna gain in response to items E38 and E41 of Schedule B indicates the level should be 63.6 dBW.[3] Please resolve the inconsistency. (Schedule B, item E48, for Emission Designator 5M46G7W in Frequency Band 5925-6425, may also require correction and should not exceed the level specified in Schedule B, item E40.)

2. Exhibit D of the application seeks to demonstrate compliance with the off-axis EIRP requirements of 47 C.F.R. § 25.218 using a max EIRP density of -12.6 dBW/4kHz. However, Schedule B, Item 49 of the Harris application requests operation of the station at a maximum EIRP density of 32.92 dBW/4kHz. That is a 45.52 dB difference, and appears to exceed all margins that were demonstrated in Exhibit D. Please correct this discrepancy.

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[1] The conventional C-band frequencies encompass 3700-4200 MHz for downlink and 5925-6425 MHz for uplink.

[2] If Harris CapRock Communications, Inc. refiles an application identical to the one dismissed, with the exception of the corrected information, it need not pay an additional application fee. See 47 C.F.R. § 1.1111(d).

[3] EIRP = 10 log (max. input power proposed) + Transmit antenna Gain proposed
= 10 log (130W) + 42.5= 63.6 dBW.

Although not a basis for dismissal, there also appears to be typographical error in Schedule B, item E42, in which Harris entered 3.625 dBi at 41.6 GHz. In any re-filed application, please correct these values to reflect 41.6 dBi at 3.625 GHz.

We request that Harris respond to this letter within 30 calendar days of the date of this letter. Failure to do so may result in the dismissal of the application in its entirety pursuant to Section 25.112(c) of the Commission's rules, 47 C.F.R. § 25.112(c).

Sincerely,

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